*INCLUDE SECTION 635 ON ALL PROJECTS WITH CLAUSES $$635.04A, $$635.04B, AND $$635.07A AS A MINIMUM*

*REMOVE ITALICS, PARENTHESES, AND QUOTATION MARKS FROM INSERT FIELDS*

$$635.00A

Section 635. — TEMPORARY TRAFFIC CONTROL

Revised 11 January 2018

*INCLUDE CLAUSES $$635.04A AND $$635.04B ON ALL PROJECTS*

$$635.04A

635.04(d). Add the following:

Remove or completely cover unnecessary signs in accordance with Subsection 635.07.

$$635.04B

635.04(g). Add the following:

If “marginal” or “unacceptable” devices are not corrected in a timely manner, the CO will provide written notification of those traffic control items not in compliance with the contract. If the Contractor fails to bring the specified items into compliance within a 24-hour period, the CO may assess a daily reduction in payment to the Contractor of $*(insert amount, typically ½ of the liquidated damages amount shown in Subsection 108.04)* per day. The CO may continue to assess the daily reduction in payment for each additional 24-hour period until the items are corrected. This reduction in payment will be subtracted from the Contractor’s progress payments and will be unrecoverable. Use of this reduction in payment does not waive the CO’s right to suspend the work in whole or in part according to Subsection 108.05.

*INCLUDE THE FOLLOWING IF TEMPORARY TRAFFIC CONTROL DEVICES ARE TO BE INSTALLED ON THE PROJECT*

$$635.04C

635.04(i). Add the following:

Submit a certification indicating that the devices are crashworthy as defined in Subsection 101.04.

*INCLUDE THE FOLLOWING WHEN USING A LPSM TEMPORARY TRAFFIC CONTROL PAY ITEM - EDIT CONTENT AS NEEDED FOR PROJECT SPECIFIC REQUIREMENTS*

$$635.04D

635.04. Add the following:

**(j)** As a minimum, furnish and install the following temporary traffic control devices:

1. Construction signing;
2. Type 3 barricades;
3. Drums;
4. Cones;
5. Type (*insert required type(s) of warning lights “A, B, and/or C”*) warning lights;
6. Flaggers; and
7. Other miscellaneous temporary traffic control devices that may be required by the CO.

*INCLUDE THE FOLLOWING ON ALL PROJECTS*

$$635.07A

635.07. Delete the third paragraph and substitute the following:

Remove or completely cover unnecessary signs, or signs that conflict with the construction signing or the approved traffic control plan. Cover signs that are not removed so that no part of the covered sign is visible to traffic. Use sign covers meeting the following requirements:

1. Large enough to completely cover the sign;
2. Easy to attach to and remove from the sign without damaging the sign face. Do not use adhesives, glues, tapes, or mechanical fasteners that mar face of the sign;
3. Black, non-reflective, and opaque;
4. Made of plywood (minimum of 3/8-inches thick), aluminum (minimum of 0.040 inches thick), or other acceptable materials that will not be lifted, bent, or damaged by wind as approved by the CO; and
5. Durable enough to resist deterioration due to weathering and atmospheric conditions for the duration of the project.

*INCLUDE THE FOLLOWING IN HIGH-ADT SITUATIONS TO WARN USERS OF SHORT-TERM OPERATIONS*

$$635.07B

635.07. Add the following:

Furnish 16-inch (minimum) square flags that are fluorescent orange or fluorescent red-orange in color. Mount flags on top of signs in accordance with the MUTCD.

*INCLUDE THE FOLLOWING IF USING TEMPORARY BARRIERS*

$$635.11A

635.11. Add the following after the first sentence of the first paragraph:

Use FHWA-approved temporary barriers meeting test level *(select appropriate test level – use* “2 (TL-2)” *for speeds less than or equal to 45 mph, or use* “3 (TL-3)” *for speeds greater than 45 mph)* criteria, according to industry crashworthiness standards. For a list of acceptable manufacturers and products, refer to the FHWA longitudinal barriers listing found at

<https://safety.fhwa.dot.gov/roadway_dept/countermeasures/reduce_crash_severity/listing.cfm?code=long>. Install temporary barriers according to manufacturer’s recommendations.

*INCLUDE THE FOLLOWING IF MILLING THE ROADWAY*

$$635.17A

635.17. Add the following:

Patch the travelway after milling to provide a smooth, uniform traveling surface before reopening travel lanes to traffic as directed by the CO.

*INCLUDE THE FOLLOWING IF USING TEMPORARY CRASH CUSHIONS*

$$635.18A

635.18. Add the following:

Use FHWA-approved temporary crash cushions meeting test level *(select appropriate test level – use* “2 (TL-2)” *for speeds less than or equal to 45 mph, or use* “3 (TL-3)” *for speeds greater than 45 mph)* criteria, according to industry crashworthiness standards. For a list of acceptable manufacturers and products, refer to the FHWA Barrier System Terminals and Crash Cushion listing found at <https://safety.fhwa.dot.gov/roadway_dept/countermeasures/reduce_crash_severity/listing.cfm?code=cushions>.

*INCLUDE CLAUSES $$635.19A AND $$635.19B AND EITHER CLAUSE $$635.19C OR $$635.19D FOR TEMPORARY TRAFFIC SIGNALS*

$$635.19A

635.19. Add the following to the first paragraph:

Provide a signal timing sequence and cycle for approval according to Subsection 104.03 at least 14 days before the planned use of the temporary traffic signal system. Provide an all red clearance time assuming a vehicle speed of 5 miles per hour through the work zone.

Design the system to be fail-safe. Ensure the system monitors the following conditions:

Lack of green, yellow, or red signal indication voltage;

Total loss of indication on any approach;

Presence of multiple signal indications on any approach;

Conflicting green/yellow signal indications; and

Low power condition.

In the event any of these conditions are detected, immediately begin flashing operation of red signal indications in all directions.

Test the approved timing cycle to determine acceptability with prevailing traffic conditions. Revise the timing cycle as needed or as directed by the CO to pass traffic through the signalized zone in order to be able to meet the requirements of Subsection 156.07(i).

$$635.19B

635.19. Add the following to the second paragraph:

Inspect temporary signal systems daily, even during periods when no construction activities are taking place, to ensure they are working properly.

*SELECT EITHER CLAUSE $$635.19C OR $$635.19D BASED ON AVAILABILITY OF COMMERCIAL ELECTRICITY - SEE INSTRUCTIONS FOR CLAUSE $$635.19A - VERIFY AVAILABILITY OF COMMERCIAL ELECTRICITY WITH PARTNER AGENCY*

$$635.19C

Commercial electricity is available to power the temporary signal system at the *(insert location)*. Coordinate with the local utility company according to Subsection 107.02. Furnish an automatic backup power source capable of running the signal for at least 36 hours.

*SEE INSTRUCTIONS FOR $$635.19C*

$$635.19D

Commercial electricity is not available at the project site. Furnish a power source to operate the temporary signal system. Furnish an automatic backup power source capable of running the signal for at least 36 hours.