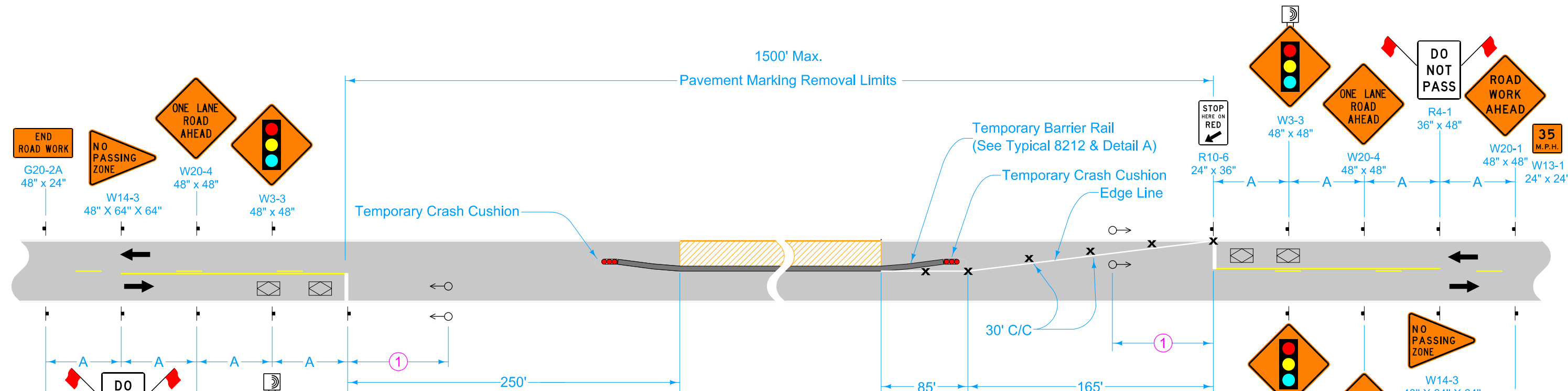


### TIMING FOR ACTUATED SIGNALS

Recommended Settings,  
(secs.)

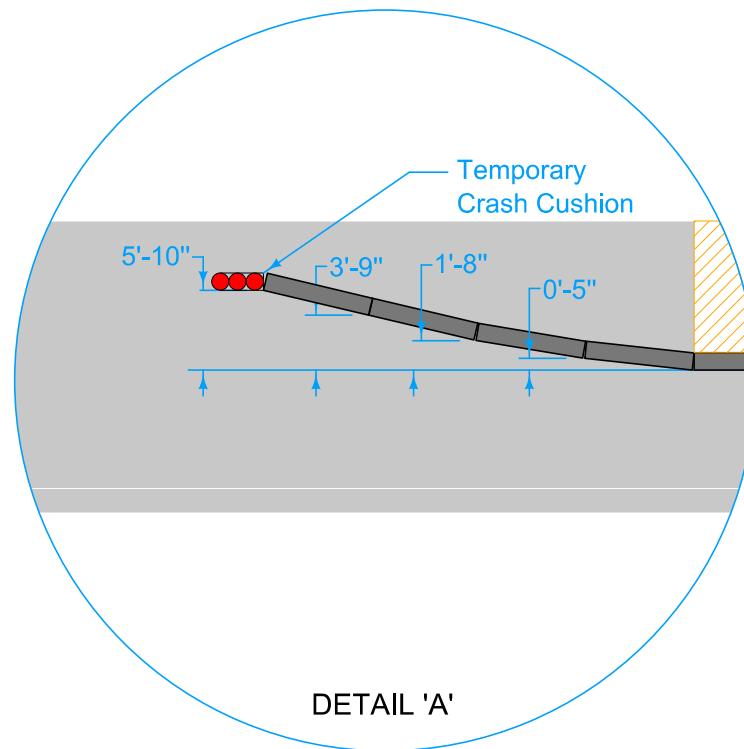
Initial = 12.0  
Extension = 2.5  
Maximum Green = 45.0  
Yellow = 5.0  
All Red = (see table)

\* Range of values are based on operating speeds between 20 and 35 mph  
\*\* Range of values are based on operating speeds between 30 and 40 mph

| Distance Between Stop Lines (ft) | All Red (secs.) |
|----------------------------------|-----------------|
| 1550                             | **27-36         |
| 1450                             | **25-33         |
| 1350                             | **23-31         |
| 1250                             | **21-29         |
| 1150                             | **20-26         |
| 1050                             | *21-36          |
| 950                              | *19-33          |
| 850                              | *17-30          |
| 750                              | *15-27          |
| 650                              | *14-23          |
| 550                              | *12-20          |

| SPEED LIMIT (mph)* | A    |
|--------------------|------|
| 35 or less         | 250' |
| 40 - 45            | 350' |
| 50 or greater      | 500' |

\* Speed Limit refers to regulatory speed limit before road work.



Place Concrete Barrier Markers at 10 ft C/C on bridge rail.

① Locate signal heads 70 to 100 feet beyond stop bar. Adjust location of signal heads as field conditions warrant.

Possible Contract Items:  
Pavement Marking Items  
Pavement Markings Removed  
Temporary Barrier Rail  
Temporary Crash Cushions  
Temporary Traffic Signals  
Traffic Control

Possible Tabulations:  
108-22  
108-28  
108-30  
108-33

**STANDARD ROAD PLAN**

REVISIONS: Added detail A, and adjusted all red times.

APPROVED BY DESIGN METHODS ENGINEER

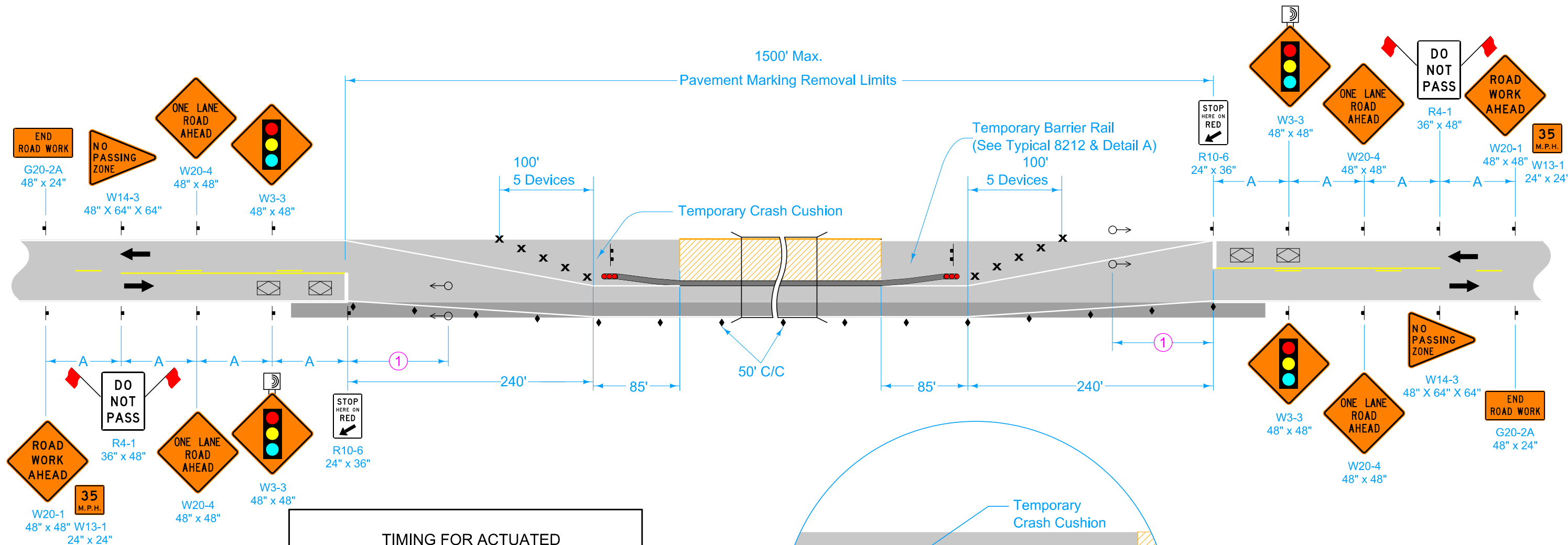
**LANE CLOSURE WITH SIGNALS AND TBR**

REVISION

10 10-21-25

**TC-217**

SHEET 1 of 2



**LEGEND**

- Type III Barricade
- Single White Delineators (mount back to back)
- Vehicle Detection Area
- Temporary Crash Cushion
- Direction of Traffic
- Traffic Sign
- Drum
- Type 'B' High-Intensity Flashing Warning Light
- Work Area
- Temporary Traffic Signal

**TIMING FOR ACTUATED SIGNALS**

| Distance Between Stop Lines (ft) | All Red (secs.) |
|----------------------------------|-----------------|
| 1550                             | **27-36         |
| 1450                             | **25-33         |
| 1350                             | **23-31         |
| 1250                             | **21-29         |
| 1150                             | **20-26         |
| 1050                             | *21-36          |
| 950                              | *19-33          |
| 850                              | *17-30          |
| 750                              | *15-27          |
| 650                              | *14-23          |
| 550                              | *12-20          |

Recommended Settings, (secs.)

Initial = 12.0  
 Extension = 2.5  
 Maximum Green = 45.0  
 Yellow = 5.0  
 All Red = (see table)

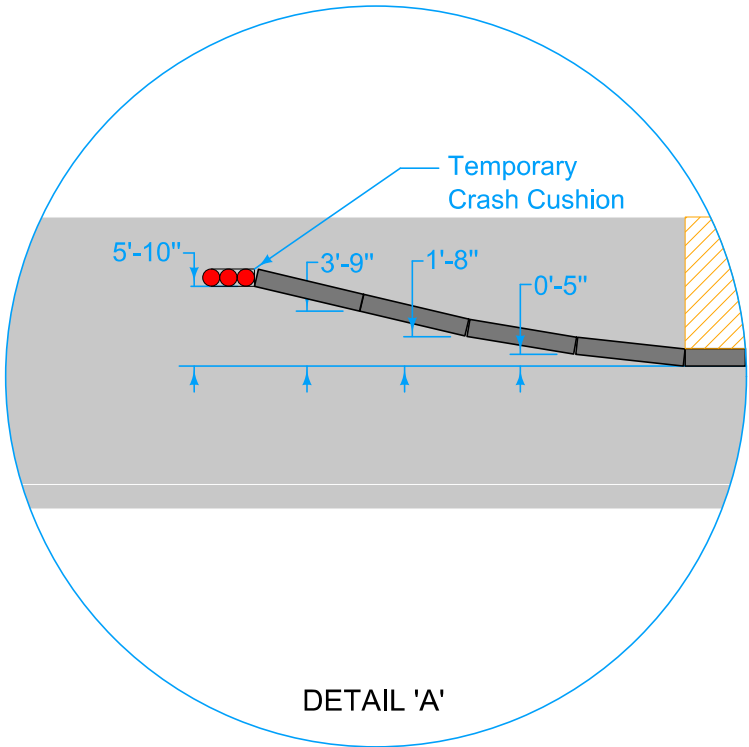
\* Range of values are based on operating speeds between 20 and 35 mph

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Place Concrete Barrier Markers at 10 ft C/C on bridge rail.

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Possible Contract Items:

- Pavement Marking Items
- Pavement Markings Removed
- Temporary Barrier Rail
- Temporary Crash Cushions
- Temporary Traffic Signals
- Traffic Control

Possible Tabulations:

- 108-22
- 108-28
- 108-30
- 108-33

|                                                        |          |          |
|--------------------------------------------------------|----------|----------|
| <b>IOWA DOT</b><br><b>STANDARD ROAD PLAN</b>           | REVISION |          |
|                                                        | 10       | 10-21-25 |
| <b>TC-217</b><br>SHEET 2 of 2                          |          |          |
| REVISIONS: Added detail A, and adjusted all red times. |          |          |
| APPROVED BY DESIGN METHODS ENGINEER                    |          |          |
| <b>LANE CLOSURE WITH SIGNALS AND TBR</b>               |          |          |