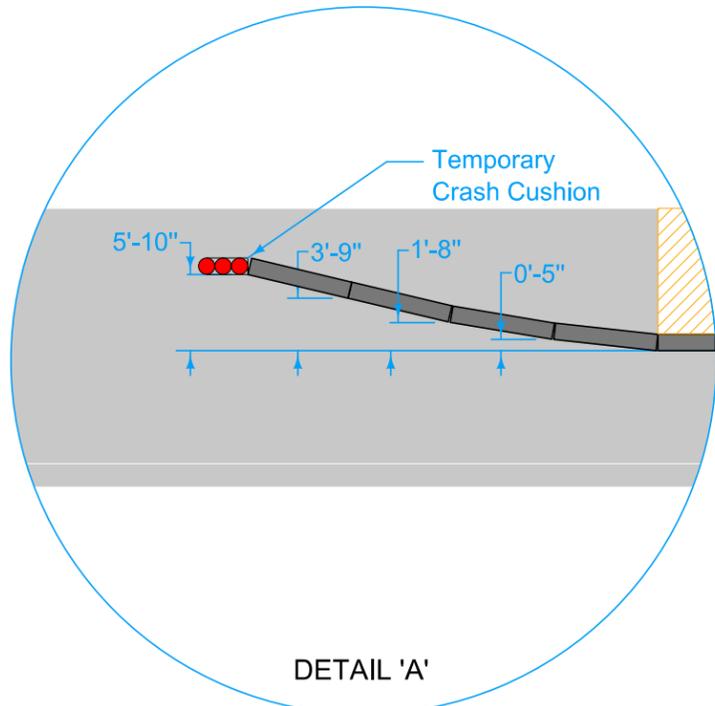


TIMING FOR ACTUATED SIGNALS

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



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

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

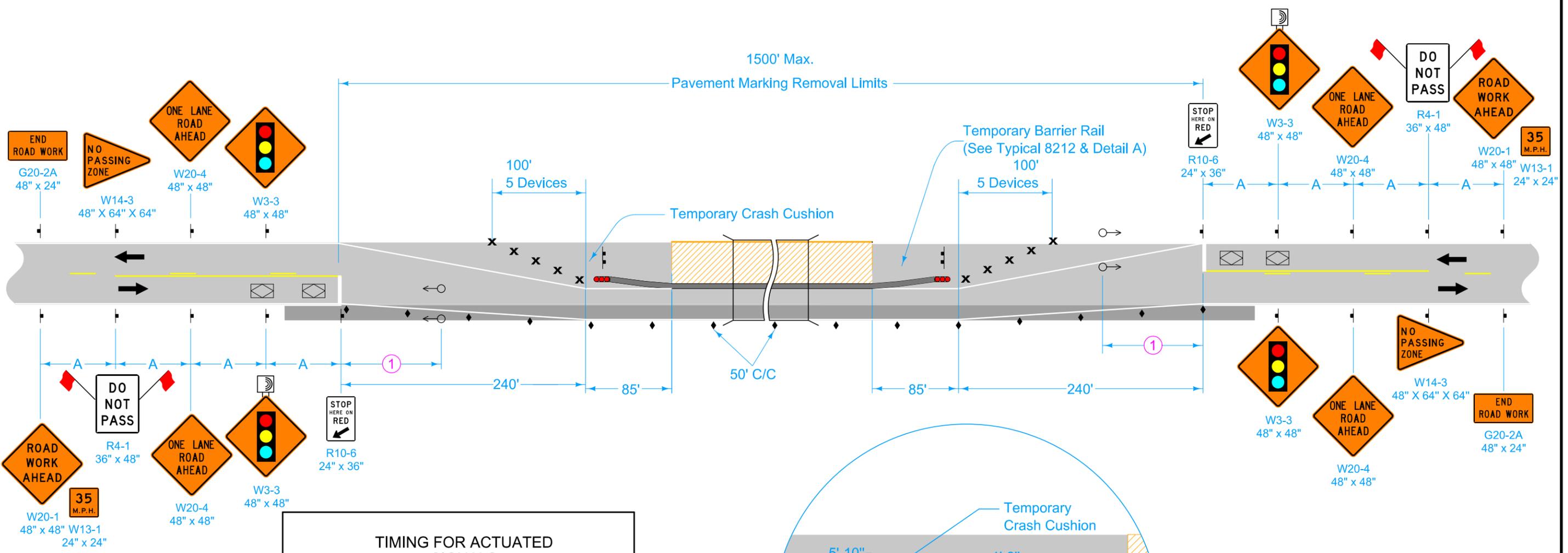
Possible Tabulations:
 108-22
 108-28
 108-30
 108-33

LEGEND

- Vehicle Detection Area
- Temporary Crash Cushion
- Direction of Traffic
- Traffic Sign
- Drum
- Type 'B' High-Intensity Flashing Warning Light
- Work Area
- Temporary Traffic Signal

IOWA DOT	REVISION	
	10	10-21-25
STANDARD ROAD PLAN		
TC-217		
SHEET 1 of 2		
REVISIONS: Added detail A, and adjusted all red times.		
 APPROVED BY DESIGN METHODS ENGINEER		
LANE CLOSURE WITH SIGNALS AND TBR		

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



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

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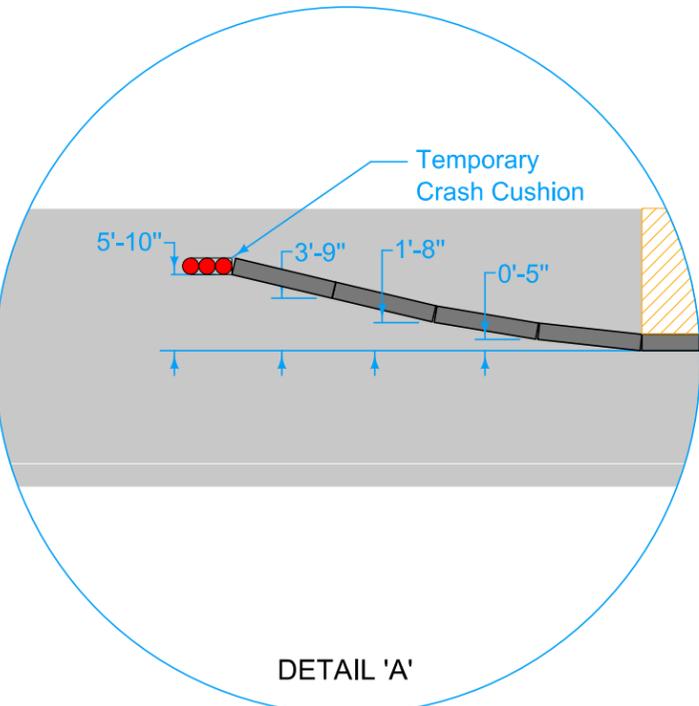
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IOWA DOT	REVISION	
	10	10-21-25
STANDARD ROAD PLAN		
TC-217		
SHEET 2 of 2		
REVISIONS: Added detail A, and adjusted all red times.		
 APPROVED BY DESIGN METHODS ENGINEER		
LANE CLOSURE WITH SIGNALS AND TBR		

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