



LEGEND

- △ Concrete Barrier Marker
- ⊠ Vehicle Detection Area
- ▬ Temporary Crash Cushion
- ← Direction of Traffic
- ↑ Traffic Sign
- × Drum
- Temporary Floodlighting
- ⚡ Type 'B' High-Intensity Flashing Warning Light
- ▨ Work Area
- ←○ Temporary Traffic Signal

TIMING FOR ACTUATED SIGNALS
Recommended Settings, secs.

| Distance Between Stop Lines | All Red (secs.)* |
|-----------------------------|------------------|
| 1050' | 20.4-35.7 |
| 950' | 18.5-32.3 |
| 850' | 17-30 |
| 750' | 15-27 |
| 650' | 14-23 |
| 550' | 12-20 |

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

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

- Possible Contract Items:**
 Pavement Marking Items
 Pavement Markings Removed
 Temporary Barrier Rail
 Temporary Crash Cushions
 Temporary Floodlighting
 Temporary Traffic Signals
 Traffic Control
- Possible Tabulations:**
 108-22
 108-27
 108-28
 108-30
 108-33

Iowa Department of Transportation

STANDARD ROAD PLAN

REVISIONS: Fixed spelling errors and added color.

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 APPROVED BY DESIGN METHODS ENGINEER

LANE CLOSURE WITH SIGNALS AND TBR

| | | |
|---------------|---|--------------|
| REVISION | 4 | 10-19-10 |
| TC-217 | | SHEET 1 of 1 |