

- LEGEND**
- ACTUATED VEHICULAR MOVEMENT
  - PARTIALLY RESTRICTED ACTUATED MOVEMENT
  - > NON-ACTUATED VEHICULAR MOVEMENT
  - PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
  - ACTUATED PEDESTRIAN MOVEMENT
  - NON-ACTUATED PEDESTRIAN MOVEMENT
  - ⊥ VEHICLE STOPPED
  - FDW - FLASHING DON'T WALK
  - R/W - RIGHT OF WAY INTERVAL
  - DW - DON'T WALK
  - YR - YELLOW RIGHT ARROW
  - RT - GREEN RIGHT ARROW
  - W - WALK
  - YL - YELLOW LEFT ARROW
  - L - GREEN LEFT ARROW
  - S - GREEN STRAIGHT AHEAD ARROW
  - G - CIRCULAR GREEN
  - Y - CIRCULAR YELLOW
  - R - CIRCULAR RED
  - ☐ - TRAFFIC PHASE
  - AO - ALL OTHERS
  - FR - FLASHING RED
  - FY - FLASHING YELLOW

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

**FLASHING OPERATION**  
 WINGHAVEN BLVD. FY  
 PEDESTRIAN SIGNAL DW  
 CONTROLLER TYPE NEMA

**Lane Closure on Left or Right Lane on Divided Highway**

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL BUFFER LENGTH (ft.) (B)	CHANNELIZER SPACING (ft.)	
	Undivided (S)	Divided (S)	Shoulder (T1)	Lane (T2)		Tapers	Buffer/Work Areas
0-35	-	200	70	245	120	35	50
40-45	-	500	150	540	220	40	100
50-55	-	1000	185	660	335	50	100
60-70	-	1000	235	840	550	60	100

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2 Lane taper length based on 12 ft. (standard lane width) offset.

TYPE ROADWAY	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (L)
URBAN	1 Portable 7 Post	1 Mi.
RURAL DIVIDED	1 Portable 7 Post	2 Mi.

**Notes:**

A protective vehicle shall be used while work is in progress. The protective vehicle shall be equipped with a TMA and flashing arrow panel and positioned at least 150 ft. in advance of the work space. The protective vehicle may be eliminated if the roadway is posted at 45 mph or below, the work vehicle is positioned in advance of the work space, and the work vehicle is equipped with a flashing arrow panel and uses activated rotating lights or strobe lights.

All vehicles, equipment, workers and their activities should be restricted to one side of the pavement.

The open lane shall be provided with a 10 ft. minimum driving surface at all times. This may include a portion of the shoulder, provided the shoulder is of adequate strength to handle traffic.

For short duration operations, signs and channelizers may be reduced or eliminated.

For mobile operations where workers are on foot and move with the operation, channelizers may be reduced or eliminated.

Supplemental warning methods may be used to call attention to the work zone.

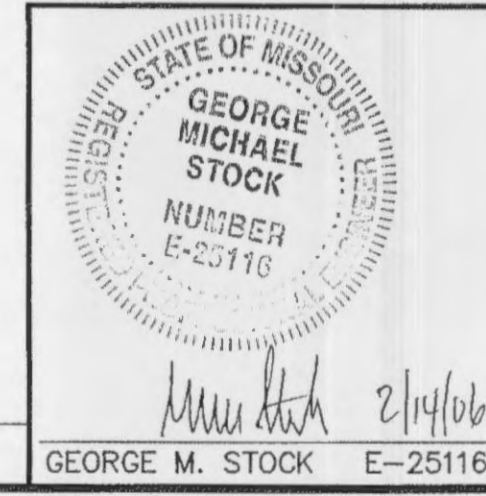
Additional warning signs shall be erected at each intersection with another state highway within the work zone. Upon the discretion of the supervisor, additional warning signs may be erected at other intersections within the work zone.

TA-12

TRAFFIC SIGNAL CONTROL OPERATION  
 WINGHAVEN BLVD.  
 INTERSECTION OF  
 PEDESTRIAN SIGNAL CROSSING  
 WITH

2 UPDATED SIGNAL LAYOUT PER UTILITY CONFLICT FIELD ADJUSTMENTS, ADDED SIGNAL POST BASE 1 DETAIL 02/13/06  
 3 ADDED CURB & GUTTER SAW CUT NOTES, SIDEWALK CROSS SLOPE NOTES, REVISED CROSS WALK STRIPING, ADDED PEDESTRIAN SIGN INFORMATION, AND TRAFFIC CONTROL DETAIL 11/22/04

WINGHAVEN BLVD.-PEDESTRIAN SIGNAL CROSSING  
 D-38A PHASING DIAGRAM & TRAFFIC CONTROL DETAIL



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