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**LEGEND**

- Type III Barricade
- Channelizing Devices
- Flag
- Heavy Work Vehicle
- Truck Mounted Attenuator
- Trailer Mounted Flashing Arrow Panel
- Portable Changeable Message Sign
- Flagger
- Sign Post

| Posted Speed | Formula                  | Minimum Desirable Taper Lengths |            |            | Suggested Maximum Spacing of Device |              | Minimum Sign Spacing Distance |
|--------------|--------------------------|---------------------------------|------------|------------|-------------------------------------|--------------|-------------------------------|
|              |                          | 10' Offset                      | 11' Offset | 12' Offset | On a Taper                          | On a Tangent |                               |
| 30           | L = WS <sup>2</sup> / 60 | 150'                            | 165'       | 180'       | 30'                                 | 60' - 75'    | 120'                          |
| 35           |                          | 205'                            | 225'       | 245'       | 35'                                 | 70' - 90'    | 160'                          |
| 40           |                          | 265'                            | 295'       | 320'       | 40'                                 | 80' - 100'   | 240'                          |
| 45           | L = WS                   | 450'                            | 495'       | 540'       | 45'                                 | 90' - 110'   | 320'                          |
| 50           |                          | 500'                            | 550'       | 600'       | 50'                                 | 100' - 125'  | 400'                          |
| 55           |                          | 550'                            | 605'       | 660'       | 55'                                 | 110' - 140'  | 500'                          |
| 60           |                          | 600'                            | 660'       | 720'       | 60'                                 | 120' - 150'  | * 600'                        |
| 65           |                          | 650'                            | 715'       | 780'       | 65'                                 | 130' - 165'  | * 700'                        |
| 70           | 700'                     | 770'                            | 840'       | 70'        | 140' - 175'                         | * 800'       |                               |

\* Conventional Roads Only  
 \*\* Taper lengths have been rounded off.  
 L = Length of Taper (FT.) W = Width of Offset (FT.) S = Posted Speed (MPH)

**TYPICAL USAGE:**

|        | SHORT DURATION | SHORT TERM STATIONARY | INTERMEDIATE TERM STATIONARY | LONG TERM STATIONARY |
|--------|----------------|-----------------------|------------------------------|----------------------|
| MOBILE | ✓              |                       |                              |                      |

- GENERAL NOTES:**
- Unless otherwise stated in the plans, flags attached to the signs are REQUIRED.
  - All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans.
  - The FORM ONE LANE LEFT sign may be used following the RIGHT LANE CLOSED sign. Spacing distance between signs should be the minimum distance indicated.
  - ROAD WORK AHEAD sign may be repeated if the visibility of the work zone is less than 1500'.
  - If pavement markings are not removed and traffic is directed over a double yellow centerline, the maximum spacing of channelizing devices in a tangent section should be no greater than 10 feet.

Only pre-qualified products shall be used. A list of compliant products and their sources may be obtained by writing or faxing:

Standards Engineer  
 Traffic Operations Division - TE  
 Texas Department of Transportation  
 125 East 11th Street  
 Austin, Texas 78701-2483  
 Phone (512) 416-3335  
 Fax (512) 416-3161  
 E-mail TRF-STANDARD@mailgw.dot.state.tx.us

The requirement for shadow vehicles will be listed in the project GENERAL NOTES, Item 502, Barricades, Signs and Traffic Handling.

**STANDARD PLANS**  
**TEXAS DEPARTMENT OF TRANSPORTATION**  
*Traffic Operations Division*

**TRAFFIC CONTROL PLAN**

TCP (1-4)-98

|           |                |                |                     |         |
|-----------|----------------|----------------|---------------------|---------|
| REVISIONS | STATE DISTRICT | FEDERAL REGION | FEDERAL AID PROJECT | SHEET   |
| 2-94      |                | 6              |                     | 17      |
| 8-95      |                |                |                     |         |
| 1-97      | COUNTY         | CONTROL        | SECTION             | JOB     |
| 4-98      |                |                |                     | HIGHWAY |