**TRAFFIC CONTROL PLAN FOR SURVEYING OPERATIONS**

**LEGO**

- **Type 33: Barricades**
- **Channelizing Devices**
- **Flag**
  - **Heavy Work Vehicle**
  - **Truck Mounted Attenuator (TMA)**
  - **Floating Arrow Panel**
  - **Message Sign (MSG)**
  - **Rooper**
  - **Sign Tape**

**DEFINITIONS**

- **SHORT DURATION** - Work that occupies a location up to 1 hour.
- **LONG TERM** - Work that remains in place for more than 1 hour within a single daylight period.

**GENERAL NOTES:**

1. The CW21-6D "SURVEY CREW AHEAD" sign may be placed on the basis of the CW21-6D "ROAD WORK AHEAD" sign or may be certified for short duration less than 1 hour work.
2. Channelizing devices on the shoulder taper and tangent section may be omitted for short duration (less than 1 hour) work.
3. If line-of-sight requirements for surveying operations are not met, a Shadow Vehicle with a Truck Mounted Attenuator and flashing warning lights may be used in lieu of the Work Vehicle to protect workers, the channelizing devices mentioned in Note 2 are required.
4. A Shadow Vehicle with a Truck Mounted Attenuator and flashing warning lights may be used in lieu of the Work Vehicle to protect workers, the channelizing devices mentioned in Note 2 are required.
5. The CW21-6D "SURVEY CREW AHEAD" sign for short duration less than 1 hour work may be used in lieu of the Work Vehicle to protect workers on uncontrolled roadways.
6. The CW21-6D "SURVEY CREW AHEAD" sign for short duration less than 1 hour work on uncontrolled roadways may be substituted for the CW21-6D "ROAD WORK AHEAD" sign.
7. The CW21-6D "SURVEY CREW AHEAD" sign for short duration less than 1 hour work on uncontrolled roadways may be substituted for the CW21-6D "ROAD WORK AHEAD" sign.
8. Cones may be placed at the edge of the work zone to enhance safety.

**TYPICAL USAGE:**

- **CONVENTIONAL ROADS ONLY**
- **CONNECTING ROADS ONLY**

**TAPER LENGTHS**

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**FORMULA**

\[
WS = \frac{2}{9}L^2
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**CONTACT:**

Texas Department of Transportation
Traffic Operations Division

**TCP (S-1a)**

- WORK OFF SHOULDER
- OR PAVED SURFACE

**TCP (S-1b)**

- WORK ON SHOULDER