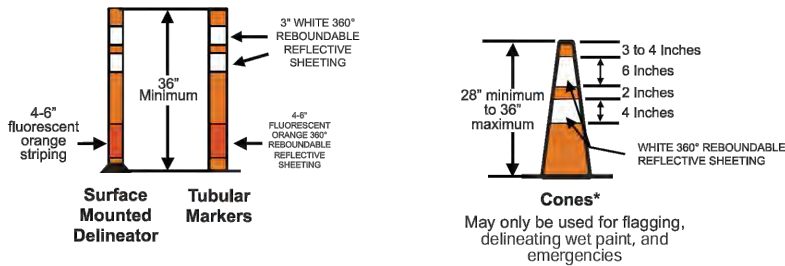
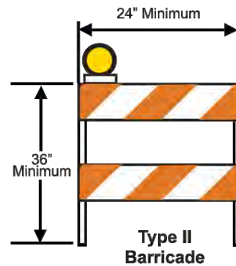
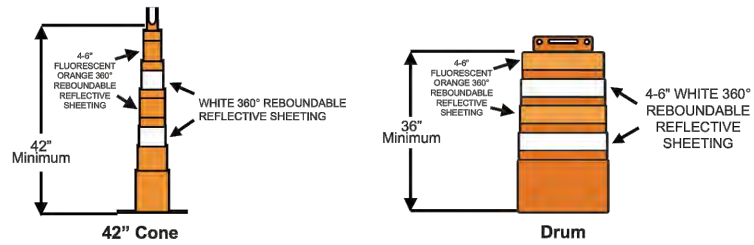


**EXHIBIT C
TRAFFIC CONTROL**

Channelizing Devices



TYPE 3 BARRICADES

- Orange diagonals shall slope down toward the traffic side.
- Signs mounted on Type III barricades should not cover more than half of the top two rails or 33 percent of the total area of the three rails.
- Type A Flashing Warning Lights may be used - place on both side of barricade. Required for nighttime work or if device remaining overnight.

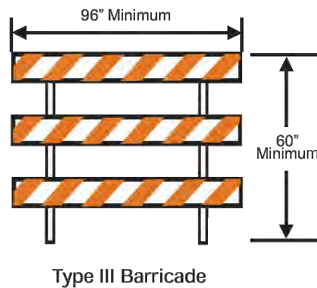


EXHIBIT C-1
TRAFFIC CONTROL
PROJECT: 25-15 SEWER TELEVISION
1-2025 BY: APB

NOTES:

- ① Additional Work Vehicle shall be parked off of the roadway.
Do not obstruct the shoulder in the work area.
- ② A minimum of 10 feet of drivable surface outside of the channelizers should be maintained on all sides. Anything less than 10 feet shall be approved by the road authority.
- ③ Channelizers and ROAD WORK AHEAD signs are optional at 15 minutes or less.
- 4! END ROAD WORK sign should be placed 500 feet past work area.
- 5! When available width is less than 16 feet, a Max Width (W12-52) sign should be used with a posted width 1 foot less than available width.

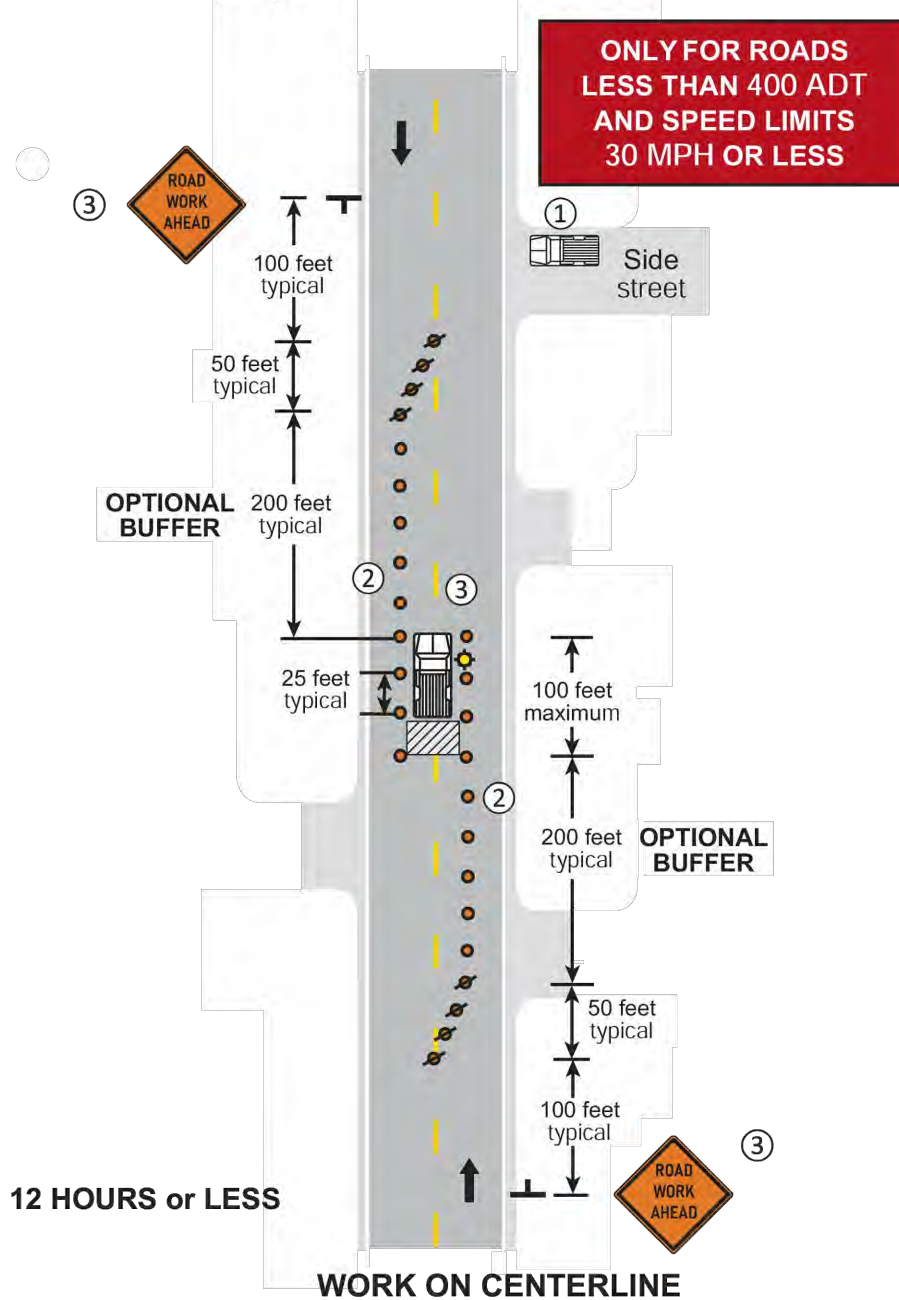
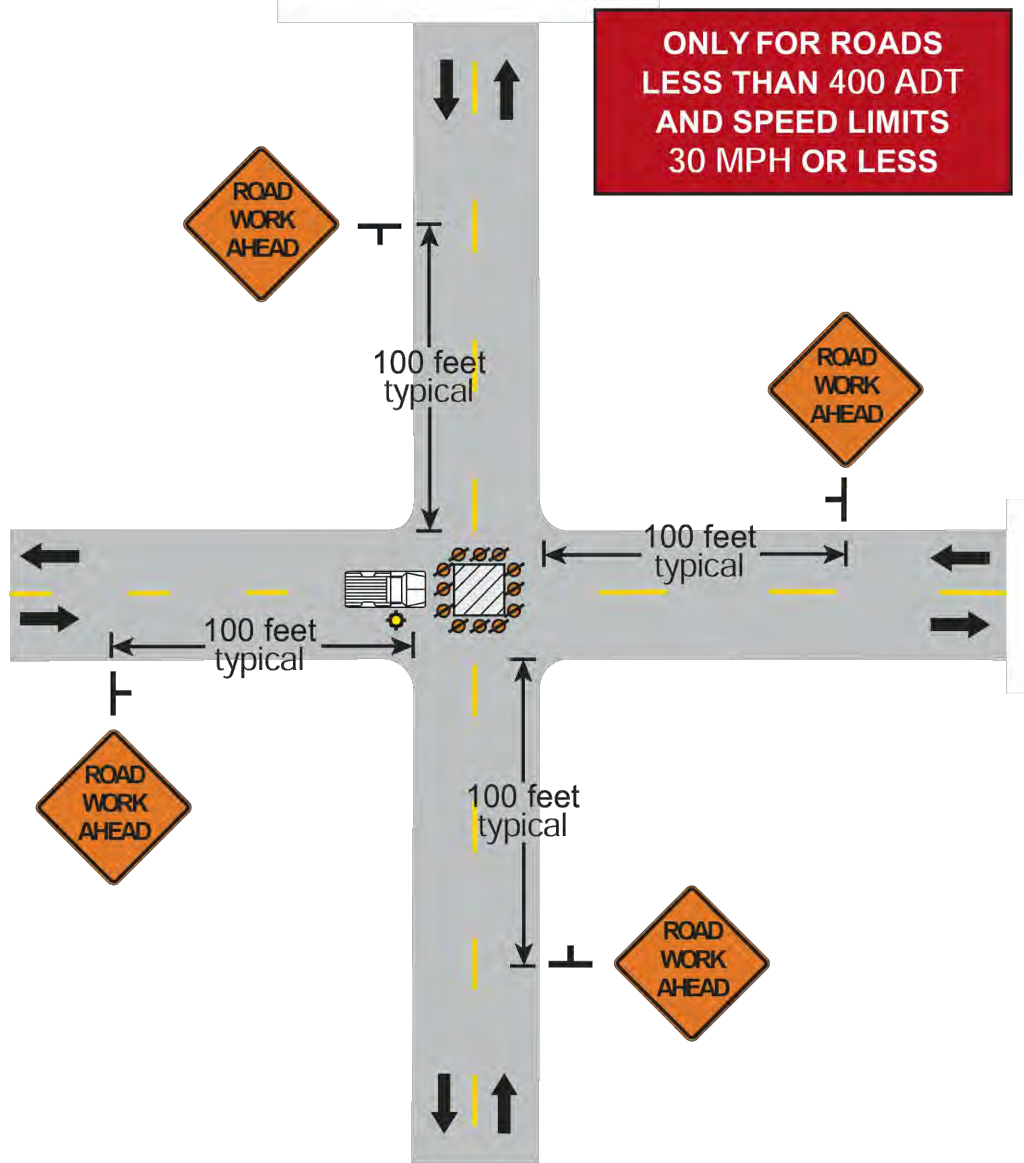


EXHIBIT C-2
TRAFFIC CONTROL
PROJECT: 25-15 SEWER TELEVISION
1-2025 BY: APB

NOTES:

- 1! A minimum of 10 feet of drivable surface outside of the channelizers shall be maintained such that traffic can self-regulate.
- 2! END ROAD WORK sign should be placed 500 feet past work area.
- 3! When available width is less than 16 feet, a Max Width (W12-52) sign should be used with a posted width 1 foot less than available width.



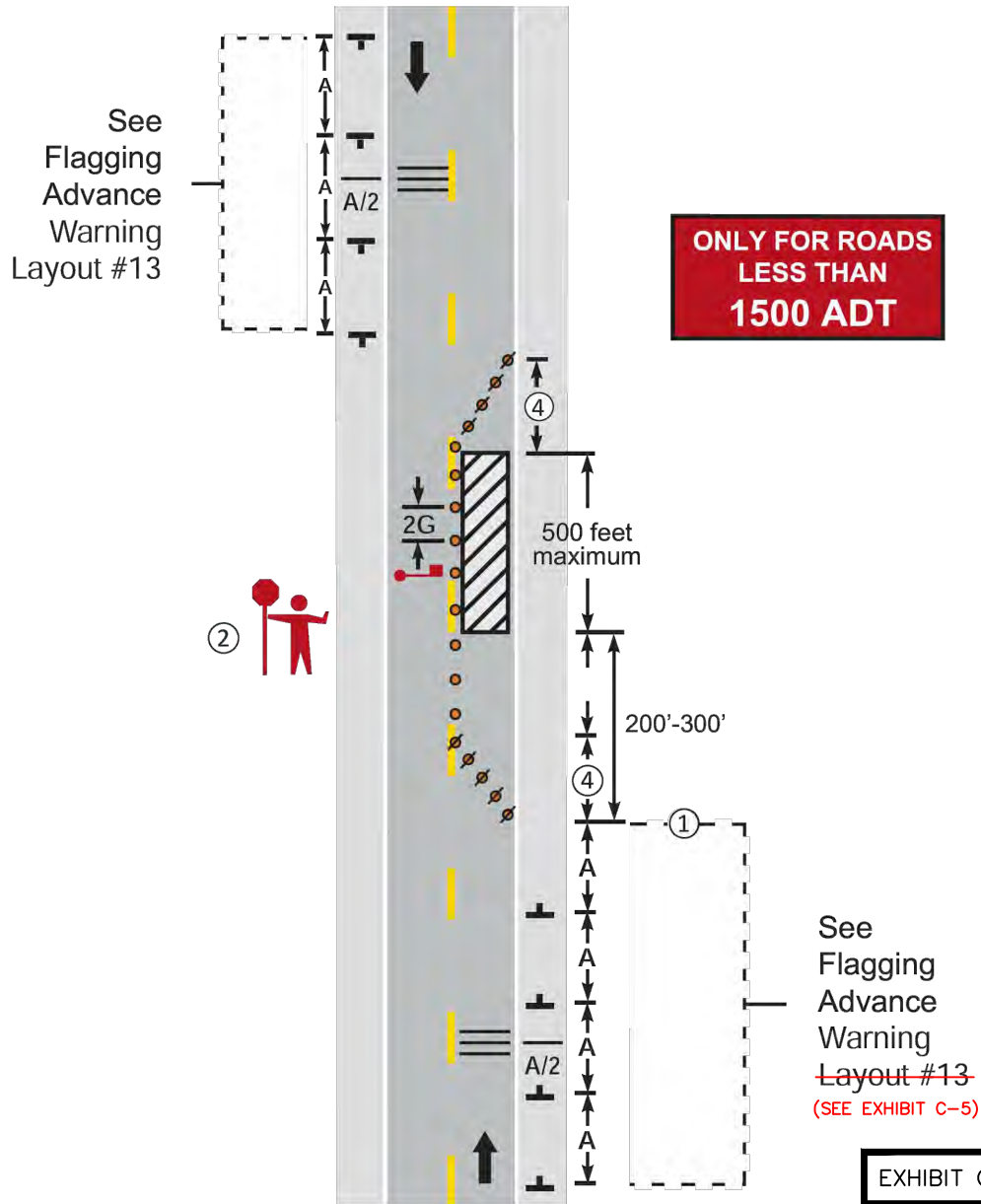
CLOSURE IN CENTER OF INTERSECTION

3 DAYS or LESS

EXHIBIT C-3
TRAFFIC CONTROL
PROJECT: 25-15 SEWER TELEVISION
1-2025 BY: APB

NOTES:

- ① The approach sight distance to the flagger shall be at least the Decision Sight Distance (D).
- ② If the flagger's ability to see oncoming motorists beyond the work space is less than the Decision Sight Distance (D), two flaggers shall be used.
- ③ If the work space must be left unattended at night use Layout 12.
- ④ The two-way taper should be 50 feet in length and using 5 equally spaced channelizing devices.
- ⑤ END ROAD WORK sign should be placed 500 feet past work area.



**LANE CLOSURE, ONE FLAGGER,
TWO-LANE, TWO-WAY ROADS
12 HOURS or LESS**

EXHIBIT C-4	
TRAFFIC CONTROL	
PROJECT: 25-15 SEWER TELEVISION	
1-2025 BY: APB	

NOTES:

- The first advance warning sign should typically be located in advance of the anticipated traffic backup or queue.
- When a side road or ramp intersects the facility on which the work is being performed, additional traffic controls shall be provided.

FLAGGING

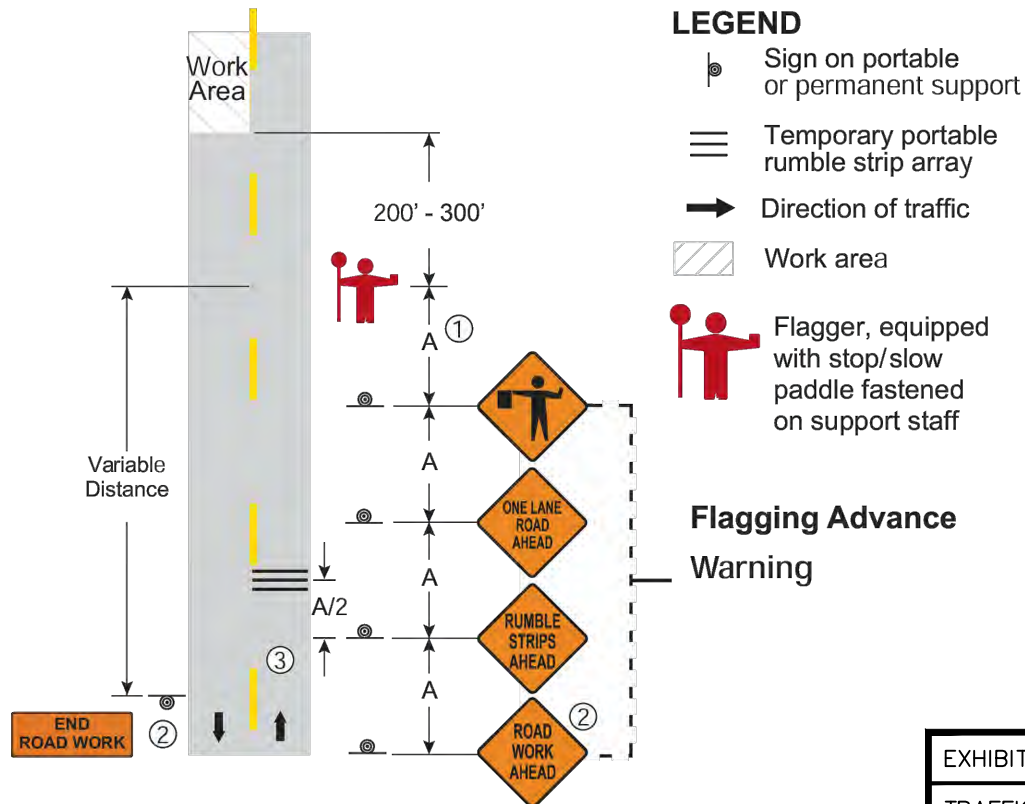
- When the flagging operation is not in effect, remove temporary portable rumble strips prior to covering or removing all advance signing.

- ① For moving work operations, post additional W20-7a flagger signs at approximately 3,500' intervals in the moving work operation.
- ② Sign not required if flagging operation occurs within a signed road work zone area.
 - The Flagger may be equipped with an air horn.
 - STOP/SLOW paddle sign size is minimum of 18" x 18"

TEMPORARY PORTABLE RUMBLE STRIPS

- Utilize temporary portable rumble strips on all flagging operations that last longer than 60 minutes.

- ③ Each temporary portable rumble strip array consists of three rumble strips placed perpendicular to the direction of travel according to manufacturers recommendation, placed transverse across the lane at locations shown.
 - Only use temporary portable rumble strips from the approved products list.
 - Place advance signing prior to installing temporary portable rumble strips.
 - Do not install temporary portable rumble strips on gravel, milled surfaces, or asphalt that has been paved for less than 12 hours.
 - Temporary portable rumble strips are not required on roadways with posted speed limits of 35 mph or less.



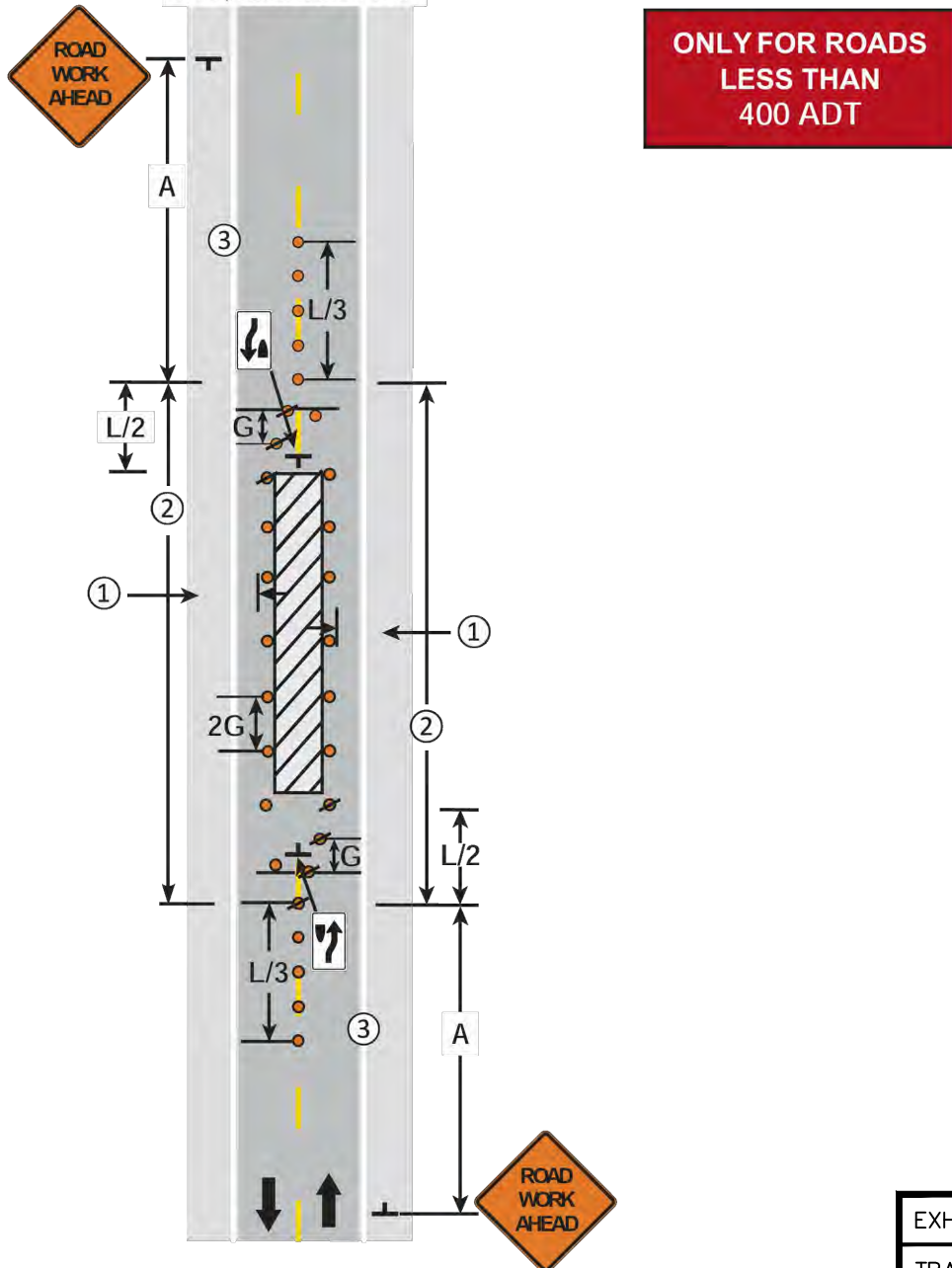
GENERAL FLAGGING NOTES

12 HOURS or LESS

EXHIBIT C-5
TRAFFIC CONTROL
PROJECT: 25-15 SEWER TELEVISION
1-2025 BY: APB

NOTES:

- ① A minimum drivable surface outside of the channelizing devices shall be 10 feet.
- ② Parking and stopping should be prohibited along the work area and tapers.
- ③ Keep Right sign may be omitted if posted speed limit is 40 mph or less.
- 4! END ROAD WORK sign should be placed 500 feet past work area.
- 5! When available width is less than 16 feet, a Max Width (W12-52) sign should be used with a posted width 1 foot less than available width.

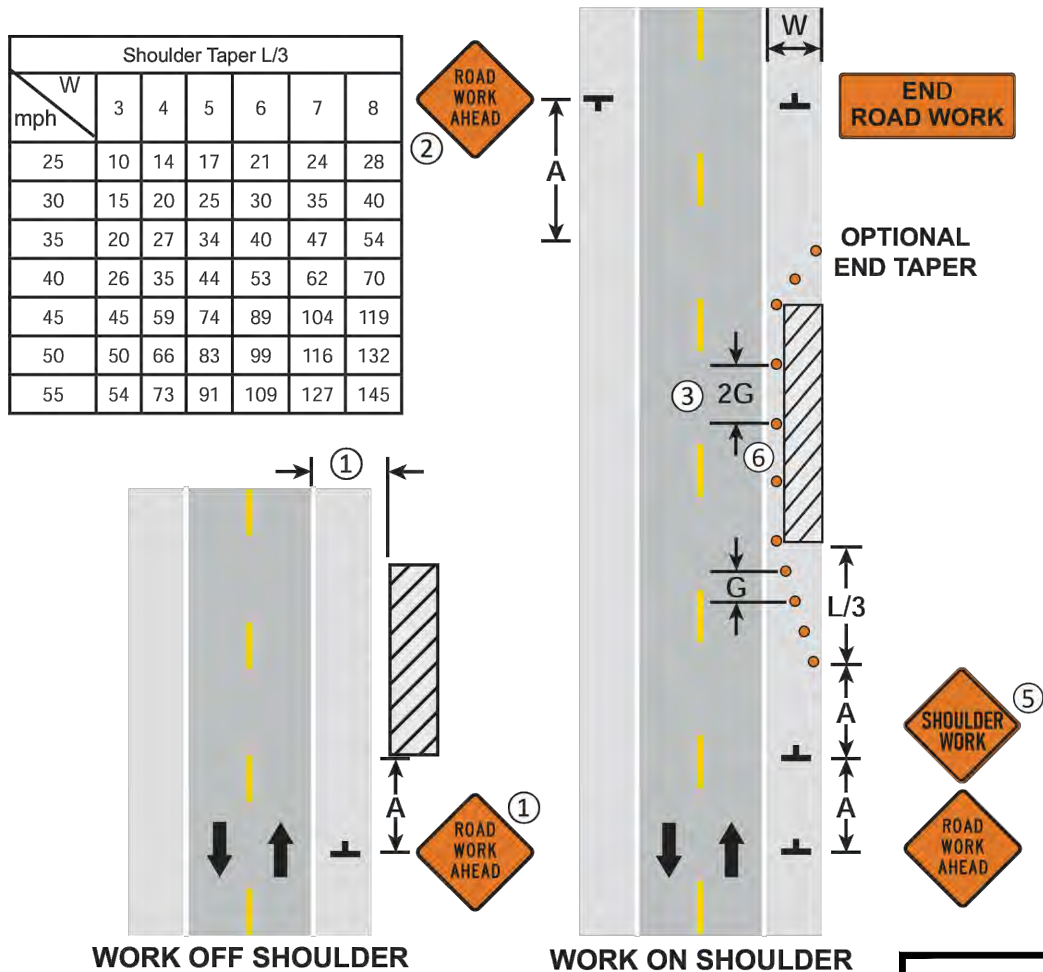


**WORK SPACE IN CENTER OF ROAD
TWO-LANE, TWO-WAY ROAD
3 DAYS or LESS**

EXHIBIT C-6
TRAFFIC CONTROL
PROJECT: 25-15 SEWER TELEVISION
1-2025 BY: APB

NOTES:

- ① The ROAD WORK AHEAD sign may be omitted for short term daylight operations if a vehicle is displaying and operating a 360-degree flashing beacon and:
 - a! T he distance from curb face to the work space is at least 2 feet, or
 - b. T he distance from the edge of the roadway to the work space is at least 15 feet.
- ② This ROAD WORK AHEAD sign shall be installed on two-lane, two-way roads if traffic control devices are installed for a work space in the opposite shoulder.
- ③ If this layout is used to close a parking lane that is normally open to vehicle travel during the time of day the closure will be in effect, the lane shall be considered a traveled lane and not a parking lane. Layout 39 shall be used to provide traffic control for the lane closure.
- 4. If this layout is used to close a parking lane, channelizer spacing may be reduced from 2G to G in high volume areas.
- ⑤ Change SHOULDER WORK sign to ROAD NARROWS sign if work encroaches the live lane.
- 6! ROAD WORK AHEAD and END ROAD WORK signs are not required if the work area is within a larger work zone where these signs are already present.

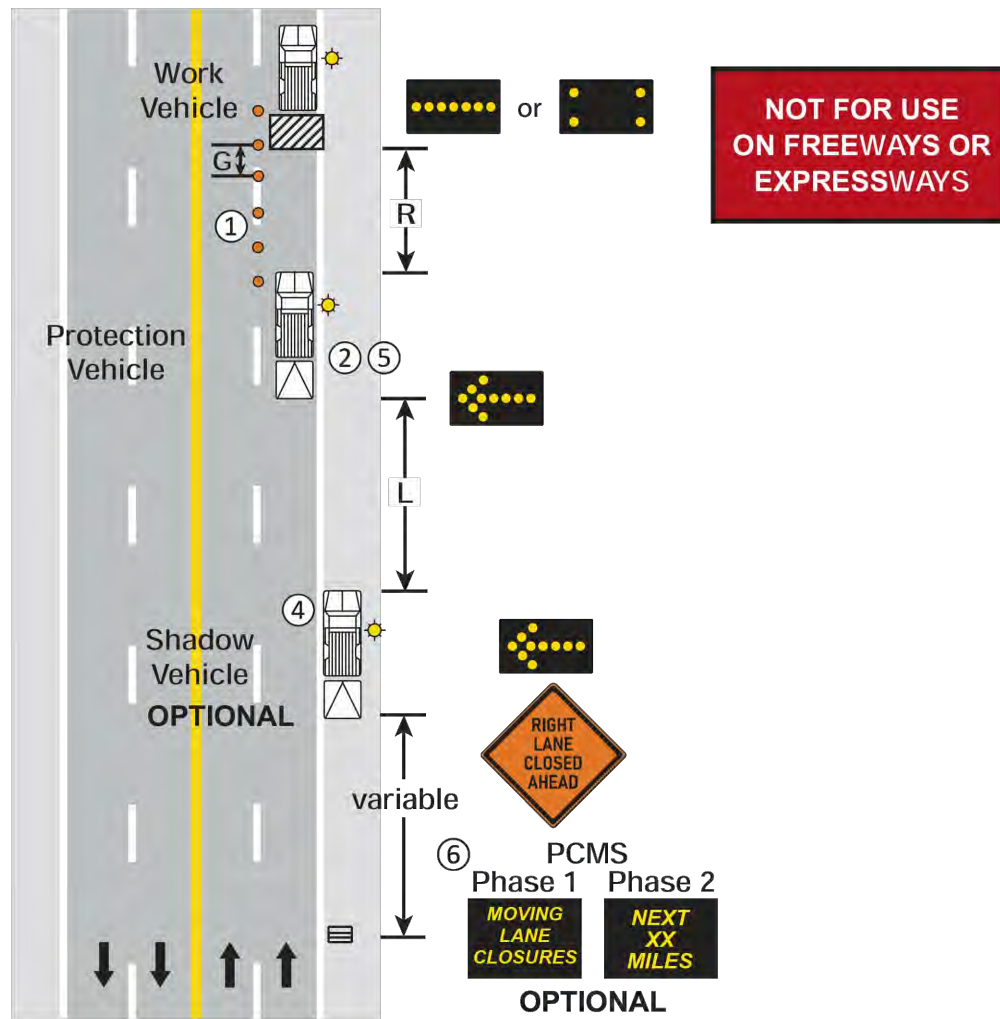


**SHOULDER AND PARKING LANE CLOSURE
WORK ON or NEAR SHOULDER
3 DAYS or LESS**

EXHIBIT C-7
TRAFFIC CONTROL
PROJECT: 25-15 SEWER TELEVISION
1-2025 BY: APB

NOTES:

- ① Channelizing devices may be omitted if the operation moves at least the Decision Sight Distance (D) every 15 minutes or less (mobile operation).
- ② May use additional Protection Vehicle (not shown on layout) to close shoulder in advance of Work Vehicle.
- 3. Any Shadow Vehicle or Protection Vehicle operating totally or partially in a traffic lane shall be equipped with a TMA.
- ④ The Shadow Vehicle may encroach into the traffic lane when the shoulder is too narrow to drive on.
- ⑤ If the Shadow Vehicle is not used and there is no PCMS, the Protection Vehicle must have a RIGHT LANE CLOSED AHEAD sign.
- ⑥ The PCMS shall be used for nighttime operations.



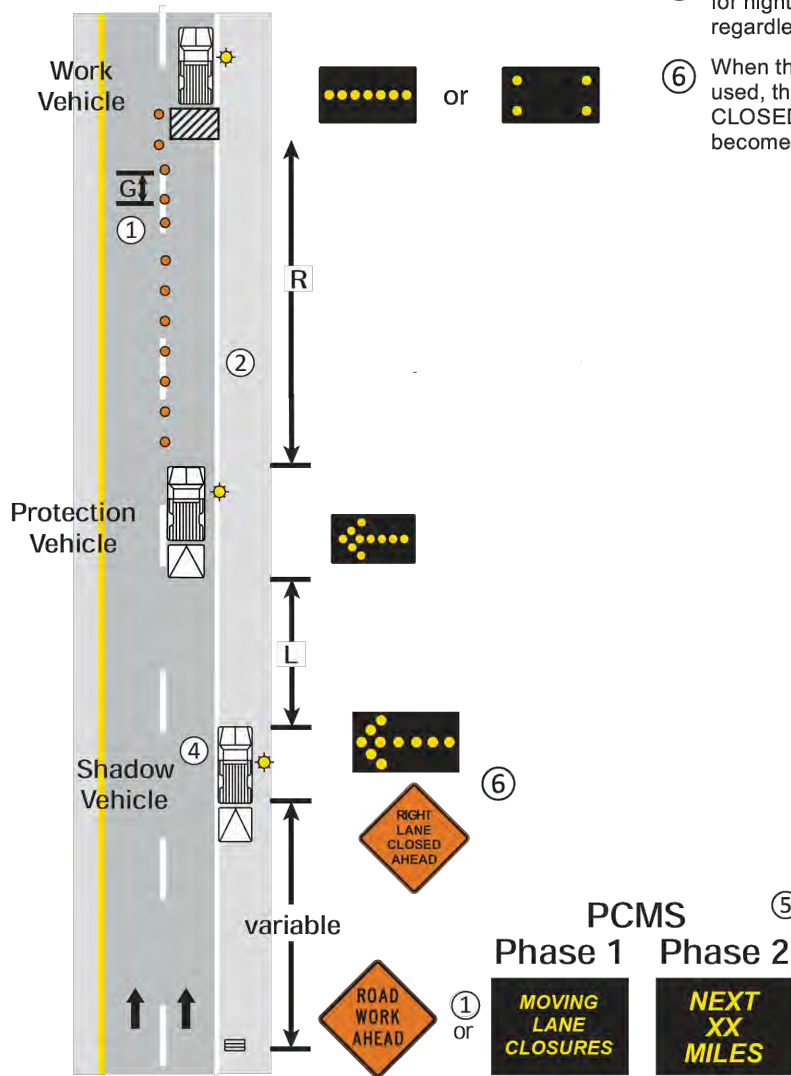
**MOBILE/SHORT DURATION LANE CLOSURE
MULTI-LANE UNDIVIDED ROAD
1 HOUR or LESS**

EXHIBIT C-8	
TRAFFIC CONTROL	
PROJECT: 25-15 SEWER TELEVISION	
1-2025 BY: APB	

NOTES:

- ① Channelizing devices and Advance Warning Sign (PCMS or ROAD WORK AHEAD) may be omitted if the operation moves at least the Decision Sight Distance (D) every 15 minutes or less (mobile operation).
- ② May use additional Protection Vehicle (not shown on layout) to close shoulder in advance of Work Vehicle.
- ③ Any Shadow Vehicle and Protection Vehicle operating totally or partially in a traffic lane shall be equipped with a TMA.
- ④ Shadow Vehicle 1 may encroach into the traffic lane when the shoulder is too narrow to drive on.

- ⑤ The PCMS shall be used for nighttime operations regardless of duration.
- ⑥ When the PCMS is used, the RIGHT LANE CLOSED AHEAD sign becomes optional.



OPTIONAL

**MOBILE/SHORT DURATION LANE CLOSURE
MULTI-LANE DIVIDED ROAD**

1 HOUR or LESS

EXHIBIT C-9	
TRAFFIC CONTROL	
PROJECT: 25-15 SEWER TELEVISION	
1-2025 BY: APB	