www.invarion.com 616.8.12 (TA-12) Lane Closure on Two-Lane Highways with Edgelines Using Traffic Control Signals - MT SPEED SIGN SPACING (ft.) TAPER LENGTH (ft.) OPTIONAL CHANNELIZER SPACING (ft.) Permanent **BUFFER** Undivided Divided Shoulder (1) Lane (2) Buffer/ Tapers Posted (S) (T2) LENGTH (ft.) Work Areas (S) (T1) (mph) (B) 0-35 280 200 40 --40-45 350 400 80 ----50-55 500 560 80 ----60-70 1000 -840 --120 -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 OF ROADWAY SIGN MAXIMUM Channelizer Protective Vehicle WORK ZONE HEIGHT 📥 Sign LENGTH (L) **Truck Mounted** OOO Truck or Trailer 1' Portable URBAN 1 Mi Attenuator (TMA) 7' Post Mounted Arrow Panel 1' Portable RURAL UNDIVIDED 3 Mi ● Traffic or Pedestrian Work Space 5' Post Signal A protective vehicle shall be used while work is in Luminaire ROAD progress. The protective vehicle should be equipped (Advanced Warning WORK with a TMA and flashing arrow panel and positioned at AHEAD Rail System) least 150 ft. in advance of the work space. For Long Term Operations S ONE LANE If a flashing arrow panel is used, the caution ROAD mode shall be displayed. AHEAI S AWRS Temporary traffic control signals shall be Temporary installed and operated in accordance with the Pavement provisions of the 902 Signals. Temporary traffic Marking control signals shall meet the physical display and 500 S STOP operational requirements of conventional traffic HERE ON control signals. RED 75 The Traffic Engineer shall approve temporary Lighting traffic control signal timing. 150 (Optional) 100' Trailer mounted signals may be used in lieu of span wire signals. (5 channelizers min.) в A Type B warning light may be placed on the ROAD WORK AHEAD and the ONE LANE ROAD AHEAD signs whenever a night lane closure is necessarv. **Protective Vehicle Roll Ahead Space** If work zone is in place for more than 3 days, a 12-inch wide stop bar L shall be installed. Existing conflicting pavement markings and raised pavement marker reflectors between the activity area and the stop bar (optional) should be removed and temporary pavement markings installed as soon в as practical. After the temporary traffic control is removed, the stop bar and other temporary pavement markings shall be removed and the 100' (5 channelizers min.) permanent pavement markings restored as soon as practical. Lighting 35' (Optional) 150 max Additional warning signs shall be erected at each intersection with STOP HERE ON another state highway within the work zone. Upon the discretion of the 75' RED supervisor, additional warning signs may be erected at other Temporary intersections within the work zone. Pavement Marking S 500' If rumble strips are used, review EPG 616.6.87 RUMBLE STRIPS. For long-term operations, refer to EPG 616.6.2.2 Flags and Advance S Warning Rail System. ROAD SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT AHEAD GUIDELINES. S ROAD WORK HEA