PERUQUE CROSSING PHILLIPS 66

9-21-06 CITY COMMENTS 10-25-06 LIGHTING 10-24-06 CITY COMMENTS 11-14-06 CITY COMMENTS

00-11282M

Shoulder Work on Undivided Highways

Undivided	District of	1	The state of the s			
(S)	Divided (S)	Shoulder' (T1)	Lane ² (T2)	BUFFER LENGTH (ft.) (B)	Tapers	Buffer/ Work Areas
200		70		120	35	50
350		150	:	220	40	100
500		185		335	50	100
1000	-	235	3-3	550	60	100
	200 350 500 1000	200 350 - 500 - 1000 -	200 70 350 - 150 500 - 185	200 70 - 350 - 150 - 500 - 185 - 1000 - 235 -	(B) 200 70 120 350 - 150 - 220 500 - 185 - 335 1000 - 235 - 550	(B) 200 70 120 35 350 - 150 - 220 40 500 - 185 - 335 50 1000 - 235 - 550 60

TYPE ROADWAY	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (L)	
URBAN	1' Portable 7' Post		
RURAL UNDIVIDED	1' Portable 5' Post	3 Mi.	

Truck Mounted
Attenuator (TMA) Truck or Trailer
Mounted Arrow Panel

Mounted Arrow Panel

Work Space

In addition to shoulder work, this typical application is applicable to work beyond shoulder where vehicles and equipment are parked on the shoulder.

A protective vehicle **shall** be used while work is in progress. The protective vehicle **should** be equipped with a TMA and positioned at least 150 ft. in advance of the work space.

If encroachment onto driving surface occurs and there is not 10 ft. of driving surface available for the lane of traffic, that traffic lane **shall** be closed. Refer to appropriate lane closure typical applications.

If an arrow panel is used for an operation on the shoulder, the caution mode **shall** be displayed.

For short duration or mobile operations, signs, channelization devices and protective vehicles **may** be reduced or eliminated if a work vehicle with activated rotating lights or strobe lights is used. However, if limited sight distance exists in a stationary operation or workers are on foot, a protective vehicle should be used. This protective vehicle should be equipped with a TMA and truck mounted flashing arrow panel and positioned at least 150 ft. in advance of the work space or work vehicle, as applicable. If a protective vehicle is used, a vehicle mounted sign **shall** be mounted at a recommended height of 48 in. above the road surface.

For work beyond shoulder, where vehicles and equipment are parked on the shoulder, the protective vehicle **may** be eliminated if a work vehicle with activated rotating lights or strobe lights is used.

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.

Other appropriate signs **may** be used in lieu of SHOULDER WORK AHEAD sign.

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THE PANELS SHALL BE SECURELY ATTACHED TO A SUPPORT THAT IS PORTABLE. CAPABLE OF REMAINING UPRIGHT AND ENTIRELY FREE STANDING. SHEETING SHALL ONLY BE APPLIED TO TRAFFIG SIDE OF SARRICADE. DETAIL SHOWN IS FOR INSTANCES WHERE TRAFFIC IS REQUIRED TO MOVE TO THE LEFT. FOR INSTANCES WHERE TRAFFIC IS REQUIRED TO MOVE TO THE RIGHT, THE REVERSE CONFIGURATION SHALL BE ASSEMBLED. DIRECTION INDICATOR BARRICADE STRIPES ON TRIM-LINE CHANNELIZERS SHALL BE 6" TO 8", STRIPES ON DRUM-LIKE CHANNELIZERS SHALL BE 4" TO 6". VERTICAL DIMENSIONS DO NOT INCLUDE PROJECTIONS DESIGNED FOR EASE OF HANDLING. TRIM-LINE CHANNELIZERS SHALL BE MANUFACTURED FROM LOW DENSITY POLYETHYLENE PLASTIC. BALLAST FOR TRAFFIC CONTROL DEVICES SHALL CONFORM MANUFACTURERS' RECOMMENDATION FOR FIELD CONDITIONS WHEN APPLICABLE. CONES SHALL MAINTAIN THEIR SHAPE UPON EXPOSURE TO NORMAL WORK CONDITIONS. IF REQUIRED BY THE ENGINEER OR SPECIFIED ON THE PLANS. EACH DIRECTION INDICATOR BARRICADE OR DRUMLING CHANNELIZER SHALL BE EQUIPPED WITH ONE TYPE CLEO PORTABLE LIGHT UNIT. IF USED. THE LIGHT UNIT BATTERY COMPARTMENT SHALL BE FURNISHED BY THE DEVI MANUFACTURER OR OTHERWISE MEET THE MANUFACTURER'S RECOMMENDATIONS FOR DESIGN AND WILL BE REQUIRED ON ALL DEVICES IN THE SERIES. CONES SHALL BE USED DURING DAYLIGHT HOURS ONLY. MISSOURE HICHWAYS AND TRANSPORTATION COMMISSION TEMPORARY
TRAFFIC CONTROL DEVICE
CHANNELIZERS AND DIRECTION
INDICATOR BARRICADE R* TRIM-LINE DRUM-LIKE CONE CHANNELIZERS DATE -3/4/04 EFFECT EVEN 07-01-2004 616.10AE