

MUSKINGUM COUNTY
TOWNSHIP ROAD NO. 409

STANDARD BARRICADES AND GATES

NOTES

LUMBER used in the construction of the gates and barricades shall be No. 1 common yellow pine or No. 1 common Douglas Fir, or other materials approved by the Engineer, surfaced on four sides standard, in accordance with the requirements of the Specifications.

GATES—The movable gate shall be constructed according to the details shown. After note 6" stripes shall be applied on all three rails of a 45° angle, and shall be red and white in color. If all three rails are painted with alternating stripes of red and white, red reflector buttons shall be mounted in the red stripes on the top rail. The top rail may be reflectorized with 6" stripes of red reflective sheeting alternated with 6" stripes of white paint (or white reflective sheeting) in lieu of red reflector buttons. One gate shall be erected for each traffic lane. The gates shall be well spiked, using spikes long enough to clinch.

The hinged gate shall be an approved farm type having 12' length, 48" height, with steel frame or a type approved by the Engineer. The gate shall be hung on hinge screw hooks or as otherwise approved. Striping similar to that used on the movable gate shall be accomplished with lumber 1" nominal thickness or with metal strips fastened to the gate. The gate shall be supported at the center in an approved manner.

BARRICADES shall be constructed according to the details shown. The top rail shall be painted on both sides with alternate 6" black and white stripes on a 45° angle sloping toward the roadway. The two lower rails and posts shall be painted white on both sides.

The barricade shall have an opening of a minimum width of 24 feet. For pavement widths greater than 20 feet, the minimum widths of the barricade openings shall be the pavement width plus 4 feet. The barricade shall remain in place following the re-opening of the road if berm or other work is not completed.

POSTS shall be 6"x6" sawed or 8" round posts and shall conform to the Specifications for Guard Rail Posts.

RAILS of the barricade shall be bolted to the posts with 5/8" bolts.

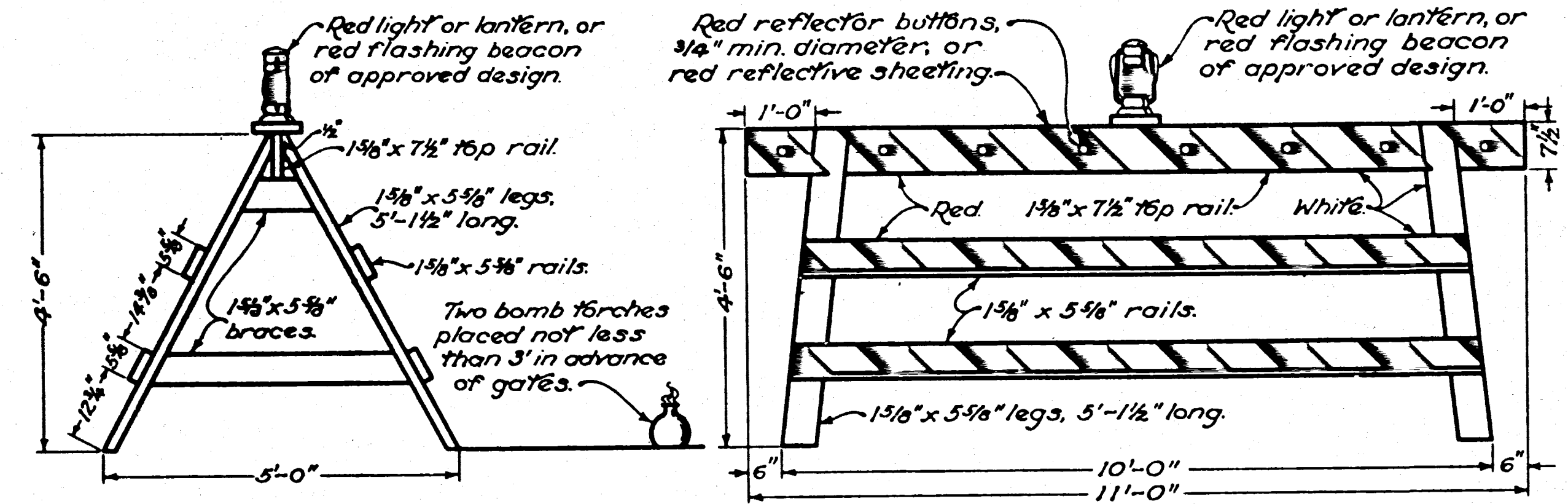
CHAINS—Gates shall be chained and padlocked to one another and to adjacent posts of the barricades. Chains shall be of 3/8" stock with welded links.

BARRICADE REFLECTORS—The top rail of the barricades shall be reflectorized with reflective sheeting or with crystal reflector buttons of 3/4" minimum diameter placed in the black stripes. When traffic is maintained, the top rail of the barricades shall be reflectorized on both sides, and reflectorized sheeting or three crystal reflector buttons of 3/4" minimum diameter shall be mounted as shown on each side of the two posts adjacent to the traveled roadway.

SIGNS—Upon the erection of the gates and barricades according to the above standards, the construction Contractor shall furnish ROAD CLOSED sign, size 40"x24", which shall be mounted on the gate as shown. When three gates are used for closing 3-lane roads, the sign shall be mounted on the middle gate facing traffic approaching the closed section.

Where traffic is maintained a ROAD CONSTRUCTION TRAFFIC MAINTAINED sign, size 40"x24", will be furnished for mounting on the barricade of the right-hand side of the roadway adjacent to the pavement, facing traffic approaching the construction section. An END OF CONSTRUCTION sign, size 40"x24", shall be mounted on the back of the barricade at the right-hand side of the road facing traffic leaving the construction section.

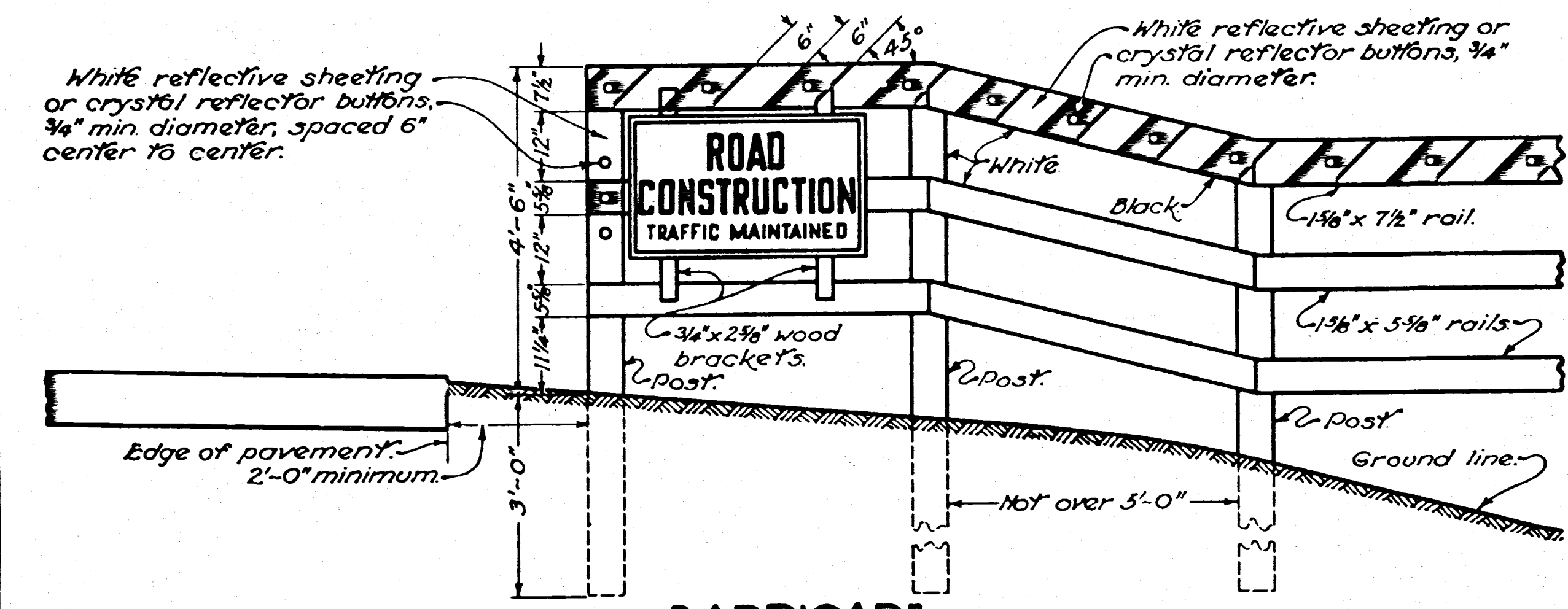
MODIFIED DESIGN—The barricade shown hereon is primarily for use in rural areas. In urban areas and at locations where it is impracticable to extend the barricade to the right of way line because of a sidewalk or other obstruction, the ends of the barricade shall be located as directed by the Engineer to effect the desired closing of the highway.



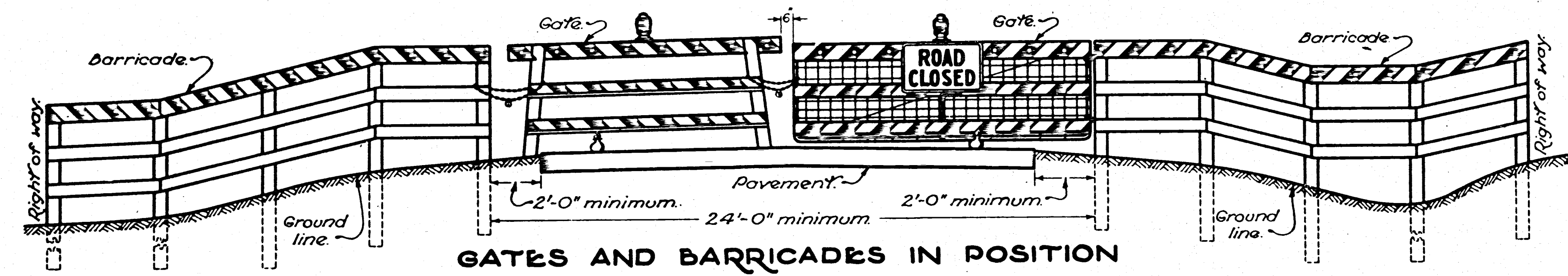
END VIEW

GATE

ELEVATION



BARRICADE



GATES AND BARRICADES IN POSITION

BUREAU OF LOCATION AND DESIGN
OHIO DEPARTMENT OF HIGHWAYS

BARRICADES AND GATES

STANDARD CONSTRUCTION DRAWING G-7.07
APPROVED *[Signature]* ENGR. L. & D.

DATE	3/20/62	AS CONSTRUCTED	H.F.K.
REVISION	DATE	DESCRIPTION	BY
U. S. ARMY ENGINEER DISTRICT, HUNTINGTON CORPS OF ENGINEERS HUNTINGTON, W. VA.			
DRAWN BY:	LICKING RIVER DILLON RESERVOIR PROJECT RELOCATION OF TOWNSHIP ROAD NO 409 (MT-409-2)		
TRACED BY:			
CHECKED BY:			
SUBMITTED BY:			
ELMER S. BARRETT ASSOCIATES			
RECOMMENDED BY:			
CHIEF ENG. DIV.			
APPROVED:	DATE: AUGUST 1959		
ELMER S. BARRETT ASSOCIATES CONSULTING ENGINEERS CHILLICOTHE, OHIO		SCALE: 1" = 10'-0" SPEC. NO. DRAWING NUMBER 027f-UD15-68/4 SHEET 4 OF 27	

WORK AS CONSTRUCTED TYPICAL DETAIL