



BRIDGE PIERS IN CLEAR ZONE

OFFSET	LENGTH OF NEED (LON)		
	50 MPH	60 MPH	70 MPH
12'	168'	218'	262'
18'	181'	236'	283'
24'	190'	247'	297'
30'	196'	255'	306'

TABLE A ⑥
LENGTH OF NEED FOR CONCRETE MEDIAN BARRIER

GENERAL NOTES

- ① USE THIS STANDARD ON ALL HIGH SPEED FACILITIES (45 MPH AND ABOVE) WHERE THE DISTANCE FROM EDGE OF TRAVELED WAY TO THE PIER IS LESS THAN 30'.
- ② IF THE DISTANCE FROM THE MEDIAN BARRIER TO THE FACE OF THE PIER IS LESS THAN 10 FEET, NOTIFY STRUCTURES DIVISION THAT THE REQUIREMENTS OF AASHTO BRIDGE DESIGN SPECIFICATION 3.6.5. CANNOT BE MET WITH STANDARD DESIGN AND SPECIAL DESIGN IS REQUIRED.
- ③ LENGTH OF ITEM 711-05.07 TO INCLUDE DISTANCE BETWEEN BEGIN AND END STATION OF BRIDGE PIERS PLUS LENGTH OF NEED (LON) DISTANCE FROM TABLE A.
- ④ PLAN SHOWN IS FOR TREATMENT ON ONE SIDE OF MEDIAN, BUT PLAN APPLIES TO STRUCTURAL BRIDGE COMPONENTS WITHIN 30 FEET OF THE ROADWAY ON THE RIGHT SIDE ALSO.
- ⑤ IF SPACE IS LIMITED, NON-GATING ATTENUATOR MAY BE SUBSTITUTED AND ATTACHED TO THE END OF THE CONCRETE BARRIER WALL.
- ⑥ THE LON DIMENSION SHOWN ON THIS TABLE ARE TO BE USED FOR TANGENT OR NEAR TANGENT CONDITIONS. IN THE CASE OF CURVATURE USE STANDARD DRAWING S-PL-1 TO DETERMINE THE POINT OF NEED.
- ⑦ FOR GRADING REQUIREMENTS AT END TERMINAL SEE S-GRT-2P OR S-GRT-2R.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SAFETY PLAN
FOR BRIDGE PIERS
IN
CLEAR ZONE