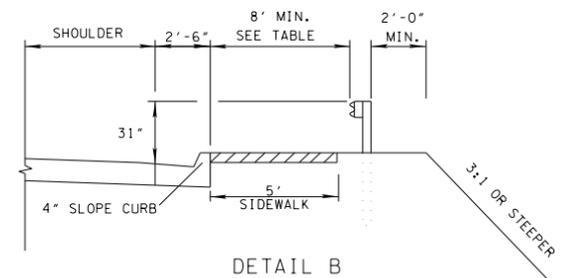
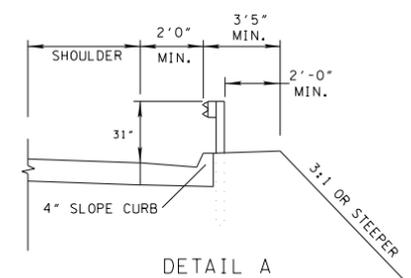


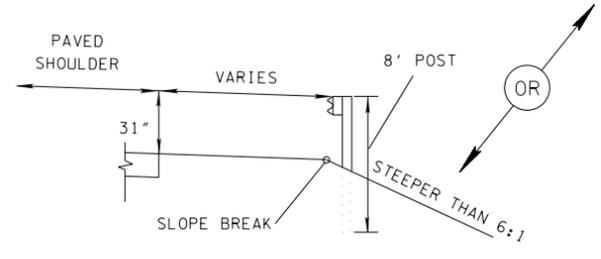
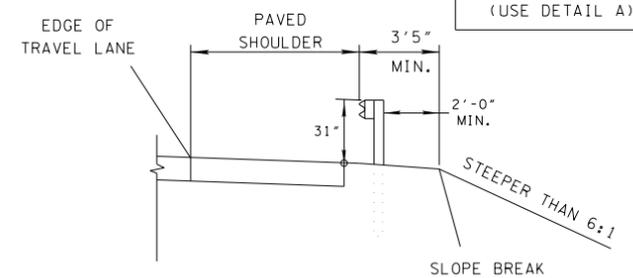
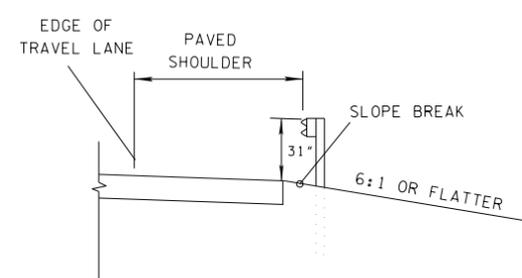
FIGURE A
 THE NEED OF BARRIER DETERMINATION GUIDE
 FOR MEDIAN INSTALLATION

GENERAL NOTES FOR MEDIAN DEVICES	
(A)	THIS STANDARD IS TO BE USED AS A GUIDE, BUT IS NOT A SUBSTITUTE FOR GOOD ENGINEERING JUDGEMENT. OTHER CONSIDERATIONS, SUCH AS CRASH HISTORY, MAY BE USED TO JUSTIFY BARRIER INSTALLATION. THIS STANDARD DOES NOT APPLY TO FREEWAYS WITH INDEPENDENT ROADWAYS (SEE RD01-TS-5A)
(B)	MEDIAN WIDTH INCLUDES SHOULDERS.
(C)	SEE DETAIL A AND DETAIL B FOR APPROPRIATE CONFIGURATION AND BARRIER SYSTEM.
(D)	END OF BARRIER SYSTEMS (EXCEPT CABLE BARRIER) REQUIRE END TERMINAL OR ATTENUATORS.

OUTSIDE SHOULDER GUARDRAIL PLACEMENT



MINIMUM GUARDRAIL OFFSET WITH CURB AND GUTTER	
SPEED (MPH)	OFFSET
45 OR LESS	MIN 8'
45 -50	MIN 13'
SPEED 50 AND ABOVE (USE DETAIL A)	0'



SLOPES 4:1 TO 2:1 USE 8' POST; STEEPER THAN 2:1 USE 9' POST

GENERAL NOTES FOR GUARDRAIL	
(A)	IF GUARDRAIL IS IN A CURB AND GUTTER SECTION IT SHALL BE PLACED SUCH THAT THE GUARDRAIL FACE IS EVEN WITH THE CURB (DETAIL A) OR A MINIMUM OF 8' FROM THE CURB (DETAIL B).
(B)	ON 6:1 OR FLATTER SLOPE GUARDRAIL MAY BE PLACED AT THE SLOPE BREAK.
(C)	ON SLOPES STEEPER THAN 6:1 GUARDRAIL SHALL BE PLACED A MINIMUM OF 2' IN FRONT OF SLOPE BREAK.
(D)	IF THE CONDITION IN NOTE (C) CANNOT BE MET GUARDRAIL MAY BE PLACED AT SLOPE BREAK IF POSTS ARE LENGTHENED TO 8'.