

INDOT Standard Drawing Number	Culvert Type	Entrance Type	K _e
715-GBTO-01,03	Grated Box End Section Type One	Concrete Pipe, Headwall with square edge	0.5
715-GBTT-01,03	Grated Box End Section Type Two	Concrete Pipe, Headwall with square edge	0.5
715-MPCA-01	Multiple Pipe Concrete Anchors	Concrete Pipe, Projecting from fill, square cut end	0.5
715-MPCA-02	Multiple Pipe Concrete Anchors	Corrugated Metal Pipe, Projecting from fill	0.9
715-MPES-01,02,03	Metal Pipe End Section	Corrugated Metal Pipe, End section conforming to fill slope	0.5
715-PCES-01	Precast Concrete End Section	Concrete Pipe, End section conforming to fill slope	0.5
715-SMES-01	Safety Metal End Section	Corrugated Metal Pipe, Mitered to conform to fill slope	0.7
715-SMES-04	Safety Metal End Section	Corrugated Metal Pipe, End section conforming to fill slope	0.5
715-SMES-07	Safety Metal End Section	Corrugated Metal Pipe, Mitered to conform to fill slope	0.7
715-SMES-10,11	Safety Metal End Section	Corrugated Metal Pipe, End section conforming to fill slope	0.5
715-SPCA-01	Single Pipe Concrete Anchor	Corrugated Metal Pipe, Projecting from fill	0.9
715-SPCA-02	Single Pipe Concrete Anchor	Concrete Pipe, Projecting from fill, square cut end	0.5
717-MPCA-01	Multiple Pipe Concrete Anchor	Concrete Pipe, Projecting from fill, square cut end	0.5
717-MPCA-02	Multiple Pipe Concrete Anchor	Corrugated Metal Pipe, Projecting from fill	0.9
717-SPCA-01	Single Pipe Concrete Anchor	Corrugated Metal Pipe, Projecting from fill	0.9

ENTRANCE LOSS COEFFICIENTS
(Standard INDOT Culverts)
Figure 31-10C