

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Inter-Departmental Memorandum

TO: John Pickering
Roadway Design Division Engineer

DATE: April 5, 2000

FROM: Steven W. Reeves
Quality Control Engineer

SUBJECT OR PROJECT NO: barrier deflections

INFORMATION COPY TO:

COUNTY:

Single W-beam

Post Spacing	Min. Deflection Back of Post	Type Post	Type Blockout	Min. Deflection From Face of Rail
6'-3"	3'	Wood	Wood	4'-7.25"
6'-3"	3'	Steel	Wood	4'-5.25"
3'-1.5"	1'-9"	Wood	Wood	3'-4.25"
3'-1.5"	1'-9"	Steel	Wood	3'-2.25"

Double W-beam(nested)

Post Spacing	Min. Deflection Back of Post	Type Post	Type Blockout	Min. Deflection From face of Rail
3'-1.5"	1'-5"	Wood	Wood	3'-0.25"
3'-1.5"	1'5"	Steel	Wood	2'-10.25"
1'-6.75"	1'-1"	Wood	Wood	2'-8.25"
1'-6.75"	1'-1"	Steel	Wood	2'-6.25"

Single Thrie-beam

Post Spacing	Min. Deflection Back of Post	Type Post	Type Blockout	Min. Deflection From face of Rail
6'-3"	2'-4"	Wood	Wood	3'-11.25"
6'-3"	2'-4"	Steel	Wood	3'-9.25"
6'-3"	2'-4"	Steel	Steel(modified)	4'-3.25"
3'-1.5"	1'-7"	Wood	Wood	3'-2.25"
3'-1.5"	1'-7"	Steel	Wood	3'-0.25"
3'-1.5"	1'-7"	Steel	Steel(modified)	3'-6.25"
1'-6.75"	1'-2"	Wood	Wood	2'-9.25"
1'-6.75"	1'-2"	Steel	Wood	2'-7.25"
1'-6.75"	1'-2"	Steel	Steel(modified)	3'-1.25"

Double Thrie-beam(nested)

Post Spacing	Min. Deflection Back of Post	Type Post	Type Blockout	Min. Deflection From face of Rail
3'-1.5"	1'-5"	Wood	Wood	3'-0.25"
3'-1.5"	1'-5"	Steel	Wood	2'-10.25"
3'-1.5"	1'-5"	Steel	Steel(modified)	3'-4.25"
1'-6.75"	1'-0"	Wood	Wood	2'-7.25"
1'-6.75"	1'-0"	Steel	Wood	2'-5.25"
1'-6.75"	1'-0"	Steel	Steel(modified)	2'-11.25"