

INDIANA DEPARTMENT OF TRANSPORTATION



INTER-DEPARTMENT COMMUNICATION
Standards Section C Room N642



Writer's Direct Line
232-5347

November 15, 1999

DESIGN MEMORANDUM No. 99-16 POLICY CHANGE

TO: All Design, Operations, and District Personnel, and Consultants

FROM: /s/ Richard L. VanCleave
Richard L. VanCleave
Design Policy Engineer
Contracts and Construction Division

SUBJECT: New NCHRP 350 Bridge Railings and Transitions

EFFECTIVE: May 23, 2000, Letting

Several new bridge railings and bridge railing to guardrail transitions have been developed and successfully crash tested in accordance with National Cooperative Highway Research Project Report 350 (NCHRP 350). These devices are available for use on appropriate highway projects.

The new bridge railings and bridge railing, transitions which are in accordance with the NCHRP 350 Test Level criteria, are as follows:

TEST CRITERIA	BRIDGE RAILING	BRIDGE RAILING TRANSITION
TL-2	PF-2	TPF-2
	PS-2	TPS-2
	TX	TTX
	TS-1	TGS-1
TL-4	PF-1	TPF-1
	PS-1	TPS-1
	CF-1	TGT

Chapter 49 of the INDOT Design Manual should be reviewed to determine which Performance Level is appropriate for the design situation. See Design Memorandum 99-___ Technical Advisory for information regarding the conversion of AASHTO *Guide Specifications for Bridge Railings* Performance Level (PL-___) criteria to the new NCHRP 350 Test Level (TL-___) equivalency criteria.