

CERTIFICATE

STATE OF WISCONSIN)
) ss.
DEPARTMENT OF TRANSPORTATION)

TO ALL WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, CHARLES H. THOMPSON, Secretary of the Wisconsin Department of Transportation and custodian of the official records, do hereby certify that the rule, relating to **County Trunk Highway Design Standards**, was duly approved and adopted by this Department on **January 6th, 1992**.

I further certify that this copy has been compared by me with the original on file in this Department and that the same is a true copy thereof, and of the whole of such original.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official seal of the Department of Transportation at 4802 Sheboygan Avenue, in the City of Madison, Wisconsin, this 6th day of **January, 1992**.



Charles H. Thompson

CHARLES H. THOMPSON
Secretary

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JAN 8 1992
1:00 pm
Records & Information
Bureau

3-1-92

IN THE MATTER OF a rule to renumber s. Trans 205.02(7), (8) and (9), to create s. Trans 205.02(7), (8), (9) and (10), to create s. Trans 205.035, and to repeal and recreate s. Trans 205.04, Wisconsin Administrative Code, relating to County Trunk Highway Design Standards.

ORDER ADOPTING RULE

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Revisor of Statutes
Bureau**Analysis Prepared by the Wisconsin Department of Transportation**

STATUTORY AUTHORITY: ss. 84.01(9)(b) and 85.16(1), Stats.

STATUTE INTERPRETED: s. 84.01(9)(b), Stats.

General Summary of Rule. The rule clarifies s. Trans 205.04 of the existing rule, and creates s. Trans 205.035. The existing rule provides design standards for county trunk highways. Section 205.04 of the existing rule allows a department district director to deviate from these standards.

The rule provides district directors with alternative design standards. In addition to the standards currently in s. Trans 205.03, a district director may use the alternative design standards in the department's "Design Criteria for Resurfacing, Restoration, and Rehabilitation Projects." This is commonly known as the "3R" standards, and is set forth in the department's Facilities Development Manual, procedure number 11-40-1.

The rule authorizes a department district director to use "3R" standards only for resurfacing, restoration, and rehabilitation projects on existing highways. A district director may not authorize the use of "3R" standards for the construction of a new highway or for the complete reconstruction of an existing highway.

A district director may also continue to use the design exception in s. Trans 205.04, when appropriate in specific circumstances.

The rule requires a district director to consider the adequacy of the design, cost effectiveness, safety improvement, as well as environmental, social, and economic impact of a project when determining whether to use the alternative "3R" standards in s. Trans 205.035, or the design exception in s. Trans 205.04.

Fiscal Estimate. The rule will not increase highway construction costs for either the Department of Transportation or county transportation authorities.

Final Regulatory Flexibility Analysis. The rule will have no adverse effect upon small businesses.

Contact Persons. Persons having questions about the rule may write or call Ronald L. Cook, 4802 Sheboygan Avenue, Room 651, P.O. Box 7916, Madison, WI 53707, (608)266-2842; or Charles M. Kernats, 4802 Sheboygan Avenue, Room 115-B, P.O. Box 7910, Madison, WI 53707, (608)266-8810.

TEXT OF RULE

Under the authority vested in the state of Wisconsin, department of transportation, by ss. 84.01(9)(b) and 85.16(1), Stats., the department of transportation hereby adopts a rule interpreting s. 84.01(9)(b), Stats., establishing the procedures and requirements for determining the appropriate design and construction standards for county trunk highway improvement projects.

SECTION 1. Trans 205.02(7), (8) and (9) are renumbered Trans 205.02(11), (12) and (13).

SECTION 2. Trans 205.02(7), (8), (9) and (10) are created to read:

Trans 205.02(7) "Regional engineer" means a Wisconsin department of transportation division of highways central office design chief road design engineer.

Trans 205.02(8) "Rehabilitation" means replacing a major structural element of an existing highway to extend its service life for a substantial period of years and to enhance safety.

Trans 205.02(9) "Restoration" means returning an existing highway to an acceptable condition to extend its service life for a substantial period of years and to enhance safety.

Trans 205.02(10) "Resurfacing" means installing new or additional layers of surfacing on existing highway pavement to extend its service life for a substantial period of years and to enhance safety.

SECTION 3. Trans 205.035 is created to read:

Trans 205.035 USE OF ALTERNATIVE "3R" STANDARDS. (1) The standards in s.

Trans 205.03 shall be used for all county trunk highway improvement projects, unless a district director expressly authorizes, in writing, the use of the department's "Design Criteria for Resurfacing, Restoration, and Rehabilitation Projects," also known as "3R" standards, for a resurfacing, restoration, or rehabilitation project on an existing highway located in his or her district.

NOTE: Examples of improvement projects which may be appropriate for "3R" standards include resurfacing highway pavement; grinding and repairing pavement joints; replacing or recycling pavement; widening lanes and shoulders; replacing bridge elements to correct structural deficiencies; bridge deck overlays; and other related improvements such as minor incidental subgrade work and correction of minor drainage problems.

(2) A district director may not authorize or approve the use of the department's "3R" standards for the construction of a new highway or for the complete reconstruction of an existing highway.

(3) A request to use the department's "3R" standards in lieu of the standards in s. Trans 205.03 may be submitted to a district director only by a county highway commissioner, or by a county highway commissioner's designee.

(4) A district director shall grant or deny a request to use the department's "3R" standards within 90 days after receiving a request.

(5) In determining whether to grant or deny a request to use the department's "3R" standards in lieu of the standards in s. Trans 205.03, a district director shall consider all of the following:

- (a) Adequacy of design.
- (b) Cost effectiveness.
- (c) Safety improvement.
- (d) Environmental impact.

(e) Social and economic impact, including dislocation or relocation of property owners.

(6) The rural county trunk highway minimum "3R" standards for roadway dimensions, by functional classification, and usable bridge widths are as shown in the following tables:

TABLE (A) - ARTERIALS*

TRAFFIC VOLUME			ROADWAY WIDTH DIMENSIONS IN FEET		
<i>Design Class</i>	<i>Design ADT</i>	<i>Design Speed MPH</i>	<i>Traveled Way</i>	<i>Shoulder</i>	<i>Roadway</i>
3RA1	Under 750	55	22**	3	28
3RA2	750-2000	55	24	4	32
3RA3	Over 2000	55	24	6	36

* Minimum design standards for sight distance, horizontal alignment and vertical alignment shall conform with applicable department of transportation criteria.

** A traveled way width of 24 feet is required on federally designated long truck routes and is desirable on state designated truck routes and non-designated routes where the current heavy vehicle (six or more tires) traffic volume is more than 10 percent of design ADT.

TABLE (B) - COLLECTORS AND LOCALS*

TRAFFIC VOLUME			ROADWAY WIDTH DIMENSIONS IN FEET		
<i>Design Class</i>	<i>Design ADT</i>	<i>Design Speed MPH</i>	<i>Traveled Way**</i>	<i>Shoulder</i>	<i>Roadway</i>
3RC1	Under 750	55	20	3	26
3RC2	750-2000	55	22	4	30
3RC3	Over 2000	55	22	6	34

* Minimum design standards for sight distance, horizontal alignment and vertical alignment shall conform with applicable department of transportation criteria.

** A traveled way width of 24 feet is required on federally designated long truck routes and is desirable on state designated truck routes and non-designated routes where the current heavy vehicle (six or more tires) traffic volume is more than 10 percent of design ADT.

TABLE (C) - BRIDGE WIDTH*

DESIGN ADT	USABLE BRIDGE WIDTH IN FEET**
0-750	Traveled way
751-2000	Traveled way plus 2 feet
2001 - 4000	Traveled way plus 4 feet
Over 4000	Traveled way plus 6 feet

* Bridge replacement or widening should be evaluated if the bridge is less than 100 feet long and the usable width is less than the values in the table.

** If lane widening is planned as part of the "3R" project, the usable bridge width should be compared with the planned width of the approaches after they are widened.

SECTION 4. Trans 205.04 is repealed and recreated to read:

Trans 205.04 EXCEPTIONS TO DESIGN STANDARDS. (1) After a district director has decided whether to use either the design standards in s. Trans 205.03 or the alternative "3R" standards in s. Trans 205.035, he or she may expressly authorize, in writing, exceptions to either of these standards, if federal or state funds are not used for the improvement project.

(2) Exceptions to either the design standards in ss. Trans 205.03 or Trans 205.035 for improvement projects using federal or state funds must be approved in writing by a regional engineer and, when federal funds are used, by the division administrator of the federal highway administration.

(3) In determining whether to authorize exceptions to the construction standards in s. Trans 205.03 or the alternative "3R" standards in s. Trans 205.035, a district director shall consider all of the following:

(a) Adequacy of design.

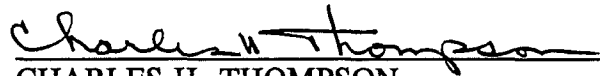
- (b) Cost effectiveness.
- (c) Safety improvement.
- (d) Environmental impact.
- (e) Social and economic impact, including dislocation or relocation of property owners.

NOTE: "Exceptions to Standards" is located at the department's offices, in the Facilities Development Manual, procedure number 11-1-2.

(END OF RULE TEXT)

Effective Date. This rule shall take effect on the first day of the month following publication in the Wisconsin Administrative Register as provided in s. 227.22 (2), Stats.

Signed at Madison, Wisconsin, this 6th day of January, 1992.



CHARLES H. THOMPSON

Secretary

Wisconsin Department of Transportation

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Wisconsin Department of Transportation

Tommy G. Thompson
Governor

Ronald R. Fiedler, PE
Secretary

OFFICE OF GENERAL COUNSEL
P. O. Box 7910
Madison, WI 53707-7910

January 8, 1992

Mr. Gary Poulson
Assistant Revisor of Statutes
119 Martin Luther King, Jr. Blvd.
2nd Floor
Madison, Wisconsin 53703

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RE: **CLEARINGHOUSE RULE 91-108**

In the Matter of the Adoption of **TRANS 205**, Wisconsin Administrative Code, relating to **County Trunk Highway Design Standards**.

Dear Mr. Poulson:

Enclosed for filing, pursuant to s. 227.20, Wis. Stats., is a certified copy of **CR 91-108**, an administrative rule relating to the above-mentioned matter. This rule is submitted by the Wisconsin Department of Transportation.

Sincerely,

A handwritten signature in cursive script, appearing to read "Julie A. Johnson".

Julie A. Johnson
Paralegal

Enclosures

cc: Tom Walker
Dorothy Kapke
Sandy Beaupre
Fred Ross
Ron Cook