



U.S. Department
of Transportation

**Federal Highway
Administration**

Washington Division

Suite 501 Evergreen Plaza
711 South Capitol Way
Olympia, Washington 98501-1284
(360) 753-9480
(360) 753-9889 (FAX)
<http://www.fhwa.dot.gov/wadiv>

June 2, 2009

HDE-WA/ 435.6

Ms. Paula J. Hammond
Secretary of Transportation
Department of Transportation
Olympia, Washington

Attention: Pasco Bakotich III, PE

**Statewide Blanket Proprietary Product
Approval - Neenah Roadway and Bridge
Deck Drain**

Dear Ms. Hammond:

We have reviewed your request for FHWA approval of a state-wide blanket use of the R-4015-14 Series Overhead Scupper Drain, Bolted Grate, and R-4015 to R-4016 Series Roadway and Deck Drain from Neenah Foundry Company and accompanying documentation.

We concur that it is in the public interest to use this product and approve this request for the 2009-2011 biennium. Use of this proprietary item should be re-evaluated if an equivalent product becomes available.

Please contact Don Petersen at (360) 534-9323 or don.petersen@dot.gov if you have any questions regarding this action.

Sincerely,

DANIEL M. MATHIS, P.E.
Division Administrator

By: Donald A. Petersen
Division Safety/Design Engineer

Enclosure

CC: Kent Kaisch





April 27, 2009

TO: Pasco Bakotich
E&EP/Design - 47329

Approval FHWA

THRU: Kent Kalisch
E&EP/Design - 47330

FROM: *RL*
Ron Lewis/Scott Sargent
PHONE: 705-7396/705-7753

Approval:
State Design Engineer

Pasco Bakotich 5/7/09

SUBJECT Statewide Blanket Proprietary Item Request

Description:

The Bridge and Structure's office is requesting blanket approval to use the following materials statewide for the 2009 – 2011 biennium.

Proprietary Item:

Manufacture: Neenah Foundry Company
R-4014 Series Overhead Scupper Drain, Bolted Grate
R-4015 to R-4016 Series Roadway and Deck Drains

Justification:

The drains as listed above from Neenah Foundry Company are currently the only known bridge deck drains that can be installed in either new or existing bridge decks without major revisions to the bridge slab reinforcement or making revisions to the standard bridge deck depth and design use by WSDOT.

The Neenah series deck drains are also the only drains that meet WSDOT's current water collection requirements. Drains from other manufactures have a much smaller surface area and would require up to four times as many drains to equal the capacity of the Neenah design.

The Public Interest Finding is served by utilizing these drains, as they meet both hydraulic and bridge structural requirements:

- Reduces the number of drains needed, thereby reducing procurement/installation costs.
- Increases safety for maintenance when cleaning is necessary by reducing the amount of time the crew is exposed to traffic.
- Reduces maintenance costs since fewer drains are needed.

- Eliminates additional design costs for a site specific design to accommodate other drains.
- The Neenah drains can be installed in typical WSDOT bridge decks, eliminating extra forming costs or additional drain pipe.

Your earliest approval of this request is needed. If you have any questions, please call Scott Sargent.

RAL/WSS
SF042709(377)

cc: M. J. Witecki, Hydraulics, 2A01