





December 1, 2008

TO: Mike Fleming 
HQ Design – 47329

FROM: R. A. Lewis/Scott Sargent 
PHONE: 705-7396/705-7753

SUBJECT: Proprietary Item Request and Justification
I-5, XL2893
Nisqually River Bridge Repair

The Bridge and Structure's office is requesting approval to specify the following item in the above referenced project:

1. Wabo Strip Seal

Project Description:

A portion of this project consists of repairing a 16 foot portion of the existing expansion joint header and strip seal extrusion and replacing entire expansion joint gland of the Nisqually River Br. No. 5/345E.

Proprietary Item:

Manufacture: Watson Bowman Acme
Series: Wabo Strip Seal Expansion Joint
Model Number: Extrusion Type "M"
Gland Type SE400

Justification:

The use of this proprietary item is essential for synchronization with existing expansion joint products for this highway facility.

The existing strip seal expansion joint on this bridge is a Wabo Strip Seal by Watson Bowman Acme.

Allowing the use of one of the other pre-approved strip seal expansion joint systems would require the replacement of the entire length of the expansion joint. This is because the components of one manufacture's pre-approved expansion joint system are not compatible with the other manufacturer's components.

Benefit:

It is in the public interest to specify the Wabo Strip Seal because:

- Allowing the use of one of the other Manufacturer's products would require replacement of the entire expansion joint system, increasing the safety risk due to multiple single-lane closures on I-5 in lieu of one single-lane closure.
- Matching the existing expansion joint system would reduce cost by replacing only 16 feet of header instead of 44 feet.

The project has an assigned Ad date of February 2nd, 2009. If you have any questions or comments please contact myself at the number above.



Approved 12/24/08

Date Donald A. Fobman

RAL:tms
WSS
SF120108(286)

cc: M. L. Nebergall, Olympic Region, MS 47448
W. E. Prill, Design – 47330
R. P. Zeldenrust, Bridge and Structures – 47340



**Washington State
Department of Transportation**
Paula J. Hammond, P.E.
Secretary of Transportation

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310 Maple Park Avenue S.E.
P.O. Box 47300
Olympia, WA 98504-7300

360-705-7000
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December 3, 2008

Mr. Dan Mathis
Division Administrator
Federal Highway Administration
711 South Capitol Way, Suite 501
Olympia, WA 98501-1284

Attn: Don Petersen

Subject: Proprietary Item Approval Request
I-5, XL2893
Nisqually River Bridge Repair

Note: FHWA approval of this request was required because the project type was New/Reconstruction on the Interstate System. The transmittal of the proprietary request to FHWA will be made by the HQ Design Office. This record of these transmittals is provided here only for your information.

Dear Mr. Peterson:

Attached for your review and approval is a request from our Bridge and Structure's Office to utilize a proprietary item for the seal on an expansion joint system.

We concur with the enclosed justification and recommend approval of this proprietary item for this project.

Thank you for your attention to this matter and if you have any questions please contact me at 360-705-7253.

Sincerely,

Michael S. Fleming, P.E.
Assistant State Design Engineer – Olympic Region

cc:

WSDOT Bridge & Structures
File
Serial File



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>

December 24, 2008

HDE-WA/BH-0053(924)

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

Attention: Michael S. Fleming, P.E.

**I-5, XL2893 – Nisqually Bridge Repair
Proprietary Item Approval**

Dear Ms. Hammond:

We have reviewed the documentation submitted with your letter requesting FHWA approval of the Wabo Strip Seal Expansion Joint, Extrusion Type "M", Gland Type SE400, manufactured by Watson Bowman Acme. This product will be used on the Nisqually River Bridge repair project XL-2893. Using this product will allow for the replacement of 16 feet of header instead of 44 feet if another manufacturer's product is required.

We approve the use of the proprietary product for this project.

Sincerely,

DANIEL M. MATHIS, P.E.
Division Administrator

By: Donald A. Petersen
Division Safety/Design Engineer

Enclosure

cc: Bill Prill-MS47330, M.L. Nebergall-MS47448, R.P. Zeldenrust-MS47340

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