



# Oregon

Kate Brown, Governor

## Department of Transportation

Transportation Region 1  
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July 28<sup>th</sup>, 2016

Mr. Tim Rogers  
Federal Highway Administration  
530 Center Street NE, Suite 420

Re: Waiver Request: Buy America Act to Contract Provision for Domestic Iron/Steel

Project/s: Broadway St: Willamette R (Broadway) Bridge Repair Bridge  
Burnside Street: Willamette River Bridge Painting and Rehabilitation  
Morrison Bridge Deck Replacement

Key Numbers: 17410, 18383, 19149  
Total Estimated cost: \$25,900,000

Mr. Rogers,

Multnomah County currently has three federally funded bridge repair projects. These three bridges: the Broadway, Burnside, and Morrison Bridges are all a type of moveable bridge. Recently the manufacturer of their electronic controls system/s has indicated that they will no longer support their old equipment. Fortunately with these projects currently undergoing design the County and Oregon Dept. of Transportation (ODOT) feel this is a perfect opportunity to replace these bridges electronic controls with new equipment that the manufacturer will support.

The County, ODOT and Consultants have been working to get the electronics incorporated into all three bridge designs. It came to our attention that some of these electronic items may contain foreign or untracked iron/steel components. We have been working in hand with the County to track down manufacturer's Certificate of Origins for the required products with minimal or "cannot certify" response.

Even though the County will continue requesting origin verification, ODOT and the County agree that due to the timing of construction obligation phases to make the decision to assume the products outlined within the attached requests to be of foreign iron/steel origin.

Provided for reference with this letter are the three separate project requests from the County. The products in those requests are similar and in some case the exact same products. Each letter lays out the needed product type and

quantity to complete each project. ODOT has reviewed the County's Buy America waiver requests and concur with their evaluation. However, in an effort to save time ODOT would like to request one waiver for all three projects.

ODOT and the Multnomah County request a Buy America waiver from the Federal Highway Administration (FHWA) for the products outlined in the attached Exhibit A with an estimated total cost of \$834,686. Many of these products will likely contain no iron/steel materials but until the manufacturer verifies their material of origin, we cannot make that assumption.

Please let me know if I can provide additional information to help make your determination to approve the waiver request.

Sincerely,

Justin Shoemaker  
Local Agency Liaison  
Oregon Department of Transportation

Cc: Larry McKinley, ODOT - Office of Project letting Manager  
Jeff Graham, FHWA - Operations Engineer Region 1  
Sam Hunaidi, ODOT - Region 1 Project Services Manager ,

**Exhibit A: Combined Table**

**Summary of Buy America Waiver Items for the *Multnomah County Bridge Rehabilitation Projects Burnside Bridge, Morrison Bridge and Broadway Bridge***

**Multnomah County Contact:** Jon Henrichsen, PE  
Bridge Services Manager  
Multnomah County Bridge Division  
8145 SE 6th Ave  
Portland, OR 97202  
(503) 481-1662, cell  
[jon.p.henrichsen@multco.us](mailto:jon.p.henrichsen@multco.us)

Waiver Item	Est. Qty.	Mfg. (if Applicable)	Notes	Estimated Cost
<b>1. Span Lock Rehabilitation (Burnside Only)</b>				
Single Engagement Couplings	2	Falk	Includes fasteners	\$10,000
Driving Sprocket and Chain	1			\$1,000
<b>2. PLC Replacement (Morrison &amp; Burnside)</b>				
Processor	4	Allen Bradley	Morrison - 2 Burnside - 2	\$20,000
Rack	4	Allen Bradley	Morrison - 2 Burnside - 2	\$2,200
DC Power Supply	4	Allen Bradley	Morrison - 2 Burnside - 2	\$4,000
Discrete Input Card	10	Allen Bradley	Morrison - 4 Burnside - 6	\$5,000
Discrete Output Card	14	Allen Bradley	Morrison - 8 Burnside - 6	\$7,000
Analog Input Card	4	Allen Bradley	Morrison - 2 Burnside - 2	\$6,000
Ethernet Communication Card	4	Allen Bradley	Morrison - 2 Burnside - 2	\$8,000
ControlLogix Chassis	2	Allen Bradley	Morrison - 2 Burnside - 0	\$60
Terminal Block Housing	14	Allen Bradley	Morrison - 14 Burnside - 0	\$518
Screw Clamp Blocks	14	Allen Bradley	Morrison - 14 Burnside - 0	\$1008
PLC Cabinet	2	NA*	Morrison - 0 Burnside - 2	\$2,500
Ethernet Switch	4	NA*	Morrison - 2 Burnside - 2	\$4,000
Human Machine Interface Touchscreen	4	Allen Bradley	Morrison - 2 Burnside - 2	\$32,000
<b>3. Emergency Power (Morrison &amp; Burnside)</b>				
Manual Transfer Switch	2	NA*	Morrison - 1 Burnside - 1	\$38,000
Generator Receptacle	2	Crouse-Hinds	Morrison - 1 Burnside - 1	\$9,400
<b>4. Motor Drives (Morrison &amp; Burnside)</b>				
Motor Drives	6	Allen-Bradley	Morrison - 2 Burnside - 4	360,000
400A Disconnect Switch	4	NA*	Morrison - 2 Burnside - 2	\$60,000
200A Disconnect Switch	8	NA*	Morrison - 4 Burnside - 4	\$32,000

30A Disconnect Switch	24	NA*	Morrison – 12 Burnside - 12	\$48,000
<b>5. (2) Brake Power and Control Panels (Broadway Only)</b>				
Full Voltage Motor Controllers	8	NA*		\$34,000**
Standard Circuit Breakers	36	NA*		
Din Rail Mounted Signal Conditioners		NA*		
Industrial Control Relays	24	NA*		
30.5 mm Electrical Switches	2	NA*		
30.5 mm Indicator lights	2	NA*		
Pushbutton control stations, Screw mounted labels		NA*		
Fuse Holders, Power Distribution Clocks, Terminal Blocks		NA*		
NEMA 4X Type 316 Stainless Steel Junction Boxes	12	NA*		
<b>6. Miscellaneous Electro-Mechanical Equipment (Broadway Only)</b>				
Bridge Machinery Brakes	4	NA*		\$92,000
Motor Brakes	4	NA*		\$50,000
Limit Switches complete with Actuators	16	NA*		\$8,000
Total Estimated Cost(Combined):				<b>\$834,686</b>

\*Items are not sole sourced

\*\*Price includes all listed components for two Control Panels