



Oregon

Kate Brown, Governor

Department of Transportation

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January 15, 2016

Mr. Tim Rogers
Federal Highway Administration
530 Center Street NE, Suite 420
Salem, Oregon 97301

Re: Waiver request: *Buy America Act* to contract provisions for domestic steel
Project: Hwy 241: Isthmus Slough Bridge Rehabilitation
Key: 19207
Estimated cost: \$13,800,000

Mr. Rogers:

The Oregon Department of Transportation (ODOT) is hereby requesting a waiver from the Federal Highway Administration (FHWA) of Buy America Act contract provisions for the *Hwy 241: Isthmus Slough Bridge Rehabilitation* project (K19207) for components of foreign origin.

The items detailed in Table 1 below are required for completion of the *Isthmus Slough Bridge Rehabilitation* project. Each item is assembled using steel parts; in some cases using hundreds of components containing steel. The manufacturer of each item may rely on multiple sources, both foreign and domestic, for each component. Further, each component may be comprised of subcomponents that are also delivered from multiple sources around the globe, or which undergo a portion of the manufacturing process in a foreign country.

Reliable tracking of the country of origin for all of the steel that goes into every component is not feasible for these manufacturers. Because they cannot reliably determine and track the country of origin for every individual piece of steel in the component parts, ODOT assumes that all steel contained in these items is 100 percent foreign.

Many of these items, as noted in Table 1, may be pre-assembled in steel housings mass-produced with integrated electrical components, or may be items, such as weather-resistant cameras, for which the housing or casing is integral to the item. The origin of the steel used in these housings is not necessarily the same as that of the component parts and is not traceable by the manufacturer. Substituting individual American-made components for the originally-manufactured pieces in these pre-assembled items could violate electrical codes, as well as compromise the safe operation of the entire control center. For these reasons, a waiver is also requested for the housings and casings used in the manufacture of the items noted in Table 1. ODOT assumes the steel used in these housings, as well as the mounting hardware provided with these items is 100 percent foreign. ODOT assumes mounting hardware purchased separately for the installation of these components will be 100 percent domestic steel.

Table 1: Summary of Buy America Waiver Items for the Hwy 241: Isthmus Slough Bridge Rehabilitation Project

Waiver Item	Est. Qty.	Mfg. (if applicable)	Notes	Estimated Cost
1. Control Equipment				
Variable Frequency Drives	4	Allen Bradley		\$10,000
Motor Starters	8		Self-contained, stand-alone with housing	\$16,000
NEMA Type Control Relays	50	Allen Bradley		\$15,000
"Ice-Cube" Style Relays	80	Allen Bradley	DIN mount; Includes sockets	\$3,600
DIN Rail	20 ft			\$100
Terminal Blocks (incl. Fuses and barriers)	2500		DIN mount; Includes fuse holders and end barriers	\$4,400
Panel-mount Pushbuttons	20	Allen Bradley	Various size/type	\$600
Panel-mount Switches	35	Allen Bradley	Various size/type	\$1,200
Panel Lights	40	Allen Bradley	Various size/type	\$600
Span Position Meters	2		Specialty/Custom item	\$1,200
RPM/Torque Meters	4		Specialty/Custom item	\$600
Panel Nameplates, Faceplates	40		Specialty/Custom item	\$500
DC power supplies	2			\$600
Line Reactors	4	Allen Bradley		\$700
Dynamic Braking Resistors	4	Allen Bradley		\$1,200
Rectifiers	4			\$400
Encoders	4	NORD / Allen Bradley		2,000
Resolvers	4			\$1,200
Limit Switches	4	Allen Bradley		\$1,400
Inductive Sensors/Transducers	2			\$1,000
Overspeed Relays	2			\$1,600
Temperature/Humidity Sensors	6		Stand-alone, with housing	\$2,000
Weather Station Sensors	1			\$3,000
VFD Lead Submarine Cable	1	Draka	Steel wire reinforcement	\$100,000
CCTV Cameras	5		Exterior/Weather resistant	\$5,000
CCTV DVR/Multiplexer	1			\$800
CCTV Monitor	1			\$1,500

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2. Power Distribution Equipment					
	Main Circuit Breaker/Disconnect	1		Includes stand-alone panelboard with housing	\$800
	Surge Suppressor	1		Stand-alone, with housing	\$1,200
	480V Panelboards	2		Includes bus bar mounting hardware	\$3,000
	120V Panelboards	2		Includes bus bar mounting hardware	\$3,000
	Circuit Breakers	25		Size/Number of poles varies	\$1,200
	Dry-Type Transformers 15-20kVA	2		Wall or floor mount	\$2,400
	Equipment Disconnects	14		Various type/sizes, stand-alone w with housing	\$4,200
	GFCI Receptacles/J-boxes	10		Incl. surface mount housing	\$2,000
	Power/Control Submarine Cable	1	Draka	Steel wire reinforcement	\$100,000
3. HVAC Equipment					
	Electrical Heaters	2		Stand-alone, with housing	\$4,000
	Ventilation Fans	2		With housing and louvers	\$1,500
	Heat Pumps	2		With housing and louvers	\$20,000
4. Traffic Control Equipment					
	Traffic Gates	4		Moveable Bridge / Specialty	\$100,000
	Sirens	2			\$600
	Fog Horns	2		Includes Compressor & Air tank	\$1,000
5. Lighting Equipment					
	Navigation Light Fixtures	10		Various, LED, self-contained	\$7,000
	Traffic Light Fixtures	4		Plastic housing	\$20,000
	Yellow Advanced Warning Lights	4		Plastic housing	\$8,000
	Flood Light Fixtures	7		With housing	\$3,500
	Indoor/Outdoor Light Switches/J-box	14		Incl. surface mount housing	\$500
	Overhead Work Lighting Fixtures	24			\$30,000
6. Misc. Electro-Mechanical Equipment					
	Span Motors/brakes/gearbox	4	NORD	Integral brakes (linear actuator) and gear reducer	\$60,000
	Thruster Brake Motors	2			\$2,000
Total Estimated Cost:					\$552,100

In conclusion, the items listed above are all required for completion of the *Hwy241: Isthmus Slough Bridge Rehabilitation* project. Because ODOT cannot confirm these items are comprised of 100 percent American-made steel, we are requesting a waiver to the Buy America Act contract provisions for domestic steel for these items.

Please let me know if I can provide additional information to help in making your determination regarding this request.

Sincerely,

Mark Leedom
Project Leader
Oregon Department of Transportation

Cc: Ray Bottenberg, ODOT Bridge Preservation Manager
Andrew Blower, ODOT Corrosion Protection Engineer
Mark Usselman, ODOT Southwest Area Manager
Michael Gamble, Region 3 Specification Writer
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