



ARRA FUNDING AND
EQUIPMENT LIST FOR
DESIGNATED CENTERS
December 2009

AUTOMOTIVE

Designated centers will receive \$12,000 for the purchase of automotive training vehicles. Although centers may use funds to purchase as many vehicles as funding will allow, purchased vehicles must meet the following criteria:

- Vehicles must be 5 years old *or newer*;
- Vehicles must get 25 miles per gallon *or better*.

The following centers have been designated to receive funding:

Region	Center	Region	Center
Atlanta	Gainesville Montgomery	Dallas	Carville Clearfield David L. Carrasco Quentin Burdick Roswell
Boston	Edison Glenmont Loring Northlands Oneonta Ramey Shriver Westover	Philadelphia	Earle C. Clements Old Dominion Red Rock
Chicago	Cincinnati	San Francisco	Fred G. Acosta Hawaii Long Beach San Diego Sierra Nevada

WELDING

Designated centers will receive funds to purchase specific welding equipment upgrades and/or to purchase welding simulators. Centers should coordinate instructor training on simulator with vendor.

Welding Simulators:

- | | |
|-----------------------------|----------|
| Equipment: VRTEX 360 | \$46,500 |
|-----------------------------|----------|
- VRTEX 360 virtual reality welding trainer unit simulates SMAW (e6010 & e7018), GMAW (short arc, spray, pulse, and STT), FCAW-S and FCAW-G in multiple positions (flat, horizontal, vertical, and overhead) and multiple joint configurations (flat plate, tee joint, groove joint, 2"diameter XXS tube, and 6" diameter schedule 40 pipe). Each unit includes the following:
- | | |
|---|---|
| <ul style="list-style-type: none"> - VR Welding Machine including: - Computer - 4u Rackmount - Windows XP Professional Sp3 - Intel Core 2 Quad Processor - 2 X 2gb Ddr2 Memory - Solid State Hard Drive - 2 Nvidia Quadro FX 3700 Graphics Cards - 19" Lcd Monitor - Tracking System - VR Welding Stand - Multi-Position - Virtual Smaw Electrode Holder with Retractable Stick Electrode - Virtual GMAW/FCAW Gun | <ul style="list-style-type: none"> - VR Welding Helmet including Face Mounted Display With 3d Stereoscopic Output - Complete Set of VR Welding Coupons including Flat Plate, Tee Joint, Groove Joint, 2" And 6" Diameter Pipe. - Interactive Graphical User Interface for System Setup and Use. - 3 Virtual Welding Environments - Welding Simulation Software - Instructor Mode with Advanced Menus - English and Metric Units - Virtual Equipment and Technique Tolerance Settings - Weldometer(TM) - Track Virtual Material Usage |
|---|---|

The following centers have been designated to receive funding for simulators:

Region	Center	Region	Center
Atlanta	Turner	Dallas	Albuquerque Clearfield Gary
Boston	Penobscot	Philadelphia	Earle C. Clements Woodstock
Chicago	Atterbury St. Louis	San Francisco	San Diego

Attachment

Welding Equipment Upgrades

Designated centers will receive funding to update TIG stick welders and/or MIG/TIG stick welders. Funding was based on the following equipment. Actual purchase should be equivalent or better within the funding allocation.

Equipment:

TIG/Stick Welder \$2,400

Cost estimate based on a MILLER DYNASTY 200 DX; (MIL 907099011). Includes: Dynasty 200 DX power source, 10 ft (3 m) primary cord, (2) Dinse 50 mm connectors, 2-Wheel Trolley Cart, Coolmate™ 1 Cooler 120VAC, Coolant (1 gallon), RCCS-14 Remote Finger Tip, 25 ft (7.6 m) Weldcraft® WP20 water-cooled torch, Torch accessory kit with tungsten (Shielding Cups, Collets-1/16, 3/32, 1/8, Collet Bodies-1/16, 3/32, 1/8, 2% Cerium Tungsten-1/16, 3/32, 1/8) 15 ft (4.6 m) work lead w/clamp, 10 ft (3 m) gas hose, Smith Regulator/flowmeter, Torch Cable Cover

MIG/TIG/Stick Welder \$4,900

Cost estimate based on a LINCOLN Invertec V350-PRO Factory/LF-72 Peady-Pak (K2437-1). Includes: Invertec V350-PRO Factory Model (K1728-6), LF-72 Bench Model Heavy Duty (K2327-3) [which features a Magnum 400 Gun Package - 15 ft (K471-21)], Control Cable (K1797-10), .035/.045 Drive Roll Kit (KP1696-1), & Heavy Duty Wire Reel Stand - 60 lb wire pkg max (K1524-3)], Work and Wire Feeder Power Cable Package (K1803-1), Inverter and Wire Feeder Cart (K1764-1), Flowmeter Regulator with 10 ft Gas Hose (3100211), Input Power Cord. Shielding gas sold separately. *Shipped fully assembled.*

The following centers have been designated to receive funding:

Attachment

Region	Center	TIG/Stick Welder (\$2400/unit)	MIG/TIG/Stick Welder (\$4900/unit)
		# of units	# of units
Atlanta	Bamberg	2	7
	Batesville (Finch-Henry)	5	16
	Brunswick	2	5
	Mississippi	0	1
	Turner	1	2
Boston	Northlands	1	3
	Oneonta	2	5
	Penobscot	2	5
	Westover	4	12
Chicago	Atterbury	8	22
	Cincinnati	1	2
	Denison	4	11
	Excelsior Springs	1	2
	St Louis	4	13
Dallas	Albuquerque	2	4
	Burdick	2	7
	Carrasco	2	7
	Clearfield	9	26
	Gary	7	22
	Guthrie	5	15
Philadelphia	Clements	24	72
	Whitney Young	5	14
	Woodstock	5	14
San Francisco	San Diego	2	5
	Sierra Nevada	5	15
	Tongue Point	2	7

Attachment

HEAVY EQUIPMENT OPERATION

Designated centers will receive funds to purchase the following heavy equipment simulators. Centers should coordinate instructor training on simulator with vendor.

Equipment: **Small Wheel Loader Cat® Simulator** \$23,000
Description: item code G2-CSWL. Includes (TEXY1210) SimU Campus Records Management License; (12MOS) 12 Months Technical Support (free for first year); (ACCE 1241) LG 42" LCD 1080p HDTV; (G2-0500) GEN 2 Simulator Computer.

The following centers have been designated to receive this funding:

Region	Center
Dallas	Kicking Horse
Philadelphia	Muhlenberg

Attachment

DRIVER'S EDUCATION SIMULATORS

Designated centers will receive funds to purchase the following driving simulator.
Centers should coordinate instructor training on simulator with vendor.

Equipment: (1) **NDX306 Full Cab Virtual Driver** \$ 19,423
Description: Full cab, three 19" screens, car seat, steering wheel, seat belt and simulator software.

The following centers have been designated to receive this funding:

Region	Center	Region	Center
Atlanta	Bamberg Batesville (Finch-Henry) Brunswick Gainesville Homestead Jacksonville Miami Mississippi Montgomery Turner	Dallas	Albuquerque Clearfield David L. Carrasco Gary Guthrie Kicking Horse North Texas Quentin Burdick Roswell Talking Leaves
Boston	Cassadaga Delaware Valley Edison Grafton Iroquois Loring Northlands Oneonta Shriver Westover	Philadelphia	Charleston Carl D. Perkins Earle C. Clements Keystone Muhlenberg Old Dominion Pittsburgh Potomac Red Rock Whitney M. Young Woodland Woodstock
Chicago	Atterbury Cincinnati Cleveland Denison Excelsior Springs Flint Hills Paul Simon Chicago St. Louis	San Francisco	Alaska Cascades Fred G. Acosta Inland Empire Long Beach Phoenix Sacramento San Diego Sierra Nevada Tongue Point Treasure Island