



*PF = NJ Division of Parks and Forestry  
TC = NY-NJ Trail Conference\**

<u>Use &amp; Item</u>	<u>Cash Provided By:</u>		<u>Donations Provided By:</u>	
<b><i>Hand Tools and Equipment</i></b>				
Power Miter Chop Saw	PF	\$367.00		
(4) Winch Hoist	PF	\$525.00		
High Wire Scaling Ladder			GPU Energy	\$400.00
Power Handsaws, Drills, Hand Tools, Generator, Extension Cords, GFI			T.C.	\$1,000.00
Contractor's Table Saw			P.F.	
Hard Hats, Goggles, Gloves, Fall Protection	PF	\$100.00	T. Latincsics	
Kelly Bar Adapter	TC	\$37.00		
Torque Indicator			NJ Transit	\$345.00
SS175 Drive Tool	TC	\$49.00		
Flange to Flange Adapter	TC	\$90.00		
Chain Saws, Peavees			GPU Energy	\$150.00
Power Brush Cutters			Trail Conference	
Block & Tackle, Pulleys			GPU Energy	\$200.00
Transit, Surveyor's Level, Steel Tape, Impact Wrench			Conklin,	
		\$1,168.00	GPU Energy	\$2,095.00
<b><i>Miscellaneous</i></b>				
On-Site Hospitality (Food & Liquids)			P. Bell	\$3,000.00
Project Phone Bills				\$400.00
Porta-John				\$200.00
Project Administration			T. Latincsics	\$2,030.00
Blueprints			Conklin	\$100.00
20% Discount by Chance				\$500.00
Baldwin Stone Discount				\$360.00
				\$6,590.00
<b>Total</b>		<b>\$33,491.33</b>		<b>\$21,296.00</b>

\*Includes USDA Forest Service Funding

## Peoplepower Breakdown: Bridge-Specific Construction Only

<b><i>State Employees</i></b>				
Wes Powers - Project Manager	468 Hours	@ \$15.00/Hr	=	\$ 7,020.00
NJ State Park Personnel	793 Hours	@ \$15.00/Hr	=	\$11,895.00
NJ Forest Fire Service	48 Hours	@ \$15.00/Hr	=	\$ 720.00
NJ Corrections Work Detail	1,150 Hours	@ \$ 1.00/Hr	=	\$1,150.00
<b>Subtotal</b>	<b>2,459 Hours (47%)</b>		=	<b>\$20,785.00</b>



**Volunteers**

Trail Conference Volunteers	2,285 Hours	@ \$8.00/Hr	=	\$18,280.00
Pete Morrissey, GPU Energy Foreman	175 Hours	@ \$29.25/Hr	=	\$ 5,120.00
GPU Energy Linemen	225 Hours	@ \$25.68/Hr	=	\$ 5,778.00
GPU Energy Equipment Operators	62 Hours	@ \$22.85/Hr	=	\$ 1,417.00
GPU Energy Utility Workers	33 Hours	@ \$13.00/Hr	=	\$ 429.00
<b>Subtotal</b>	<b>2,780 Hours (53%)</b>		=	<b>\$31,024.00</b>
<b>Grand Total</b>	<b>5,239 Hours</b>			<b>\$51,809.00</b>

## Peoplepower Breakdown Discussion

As indicated in the peoplepower hour tally, “a bouillabaisse” of people were involved in the bridge construction. These people varied from expert to layperson. The person-hour tally is only that time specifically involved with actual construction of the bridge. It does not include site access preparation, survey work, engineering design, or the administration time leading up to the actual construction or required to mobilize the volunteers. This allows one to utilize the construction person-hour total for comparison and planning purposes. A total of 5,239 hours was spent on the bridge construction, of which 2,780 hours or 53 percent was provided by the volunteer sector. Another 1,309 hours or 25 percent was State Park Service employee time. A NJ Corrections work detail provided the remaining 1,150 hours or 22 percent.

In order to establish the project “construction cost,” a dollar value had to be determined for the variety of peoplepower, both volunteer and professional. For the State employees this was easy. A generic average wage per hour regardless of job title was applied to their time. A similar procedure was used for the 495 volunteer hours donated by the GPU Energy volunteers. However in that case, the hourly wage assigned was consistent with their GPU Energy job title. Neither benefits nor overhead were included in the assigned wage.

Assigning a value to the 2,285 volunteer hours provided by the Trail Conference volunteers was a little more difficult. A wide range of tasks were completed by a variety of people with a wide range of skill levels. At least 55 individuals contributed. Trail groups assign volunteer time a value ranging from minimum wage to \$8.00 per hour. Given the diversity and sometimes technical tasks for this project, the value of \$8.00 per hour was utilized. The 1,150 hours provided by the State Correctional inmates was assigned a value of \$1.00 per hour.

The important conclusion from this peoplepower tally is that projects of this nature require peoplepower resources measured in increments of thousands of hours.

## Project Cost Tabulation Exclusions

In order for the “bottom line” numbers generated by this report to be utilized for future planning, costs not directly associated with the specific construction of the bridge were excluded from the final tabulation. These expenses could be characterized as unique to this project.

The first such expense was the access prep to the site. This will vary significantly from project to project. As listed in the detailed breakdown, Mr. Bell and his contractor friends donated \$9,361 of machine time and