



Total Bridge Span	=	146'
Bridge Walkway Width	=	44"
Bridge Square Footage	=	535 S.F.
Total Project Cost per Foot of Span	=	\$674
Total Project Cost per Square Foot	=	\$184
Total Material Cost per Foot of Span	=	\$245
Total Material Cost per Square Foot	=	\$ 67
Tool & Labor Cost per Foot of Span	=	\$429
Tool & Labor Cost per Square Foot	=	\$117
CCA #1 KDAT SYP Lumber Superstructure Cost, Material Only	=	\$14,338 @ \$98.20/Foot of Span or \$26.83/Square Foot

Material and Equipment Cost Breakdown

PF = NJ Division of Parks and Forestry

*TC = NY-NJ Trail Conference**

<u>Use & Item</u>	<u>Cash Provided By:</u>		<u>Donations Provided By:</u>	
<i>Foundation</i>				
1.75" Sixplex Swamp Anchors, Ext. Rod, Shackle	TC	\$2,166.18		
1.5" Helical Pier Foundations	TC	\$778.00		
Guyline Anchors			GPU Energy	\$1,302.00
Crushed Stone				
Tensar Geogrid 1400	PF	\$598.00	T. Latincsics	\$900.00
#18 Rebar	PF	\$172.00		
#3 - #8 Rebar	PF	\$894.50		
Fiber Form	PF	\$672.00		
32 C.Y. Concrete	PF	\$2,114.90		
Concrete Pumping	PF	<u>\$635.00</u>		
		\$8,030.40		<u>\$2,202.00</u>
<i>Towers</i>				
Four 40' Class 1 Transmission Poles			GPU Energy	\$1,200.00
Four 20' Class 4 Transmission Poles			GPU Energy	\$300.00
3" x 10" Timbers	PF	\$775.20		
3/4" Bolts, Nuts, Washers			GPU Energy	\$280.00
1/2 Circle Spike Grids (48)			GPU Energy	\$96.00
1/2" Structural Strand Guy Lines			GPU Energy	\$120.00
Four J6270 Pole Band Assembly			GPU Energy	\$80.00
Four Foundation Rebar Pole Band Assembly			GPU Energy	\$80.00
Twelve Yellow Plastic Guy Line Guard			GPU Energy	<u>\$36.00</u>
		<u>\$775.20</u>		<u>\$2,192.00</u>

* Includes USDA Forest Service Funding



PF = NJ Division of Parks and Forestry

TC = NY-NJ Trail Conference*

<u>Use & Item</u>	<u>Cash Provided By:</u>	<u>Donations Provided By:</u>
Truss Bridge Walkway, Platforms and Stairs		
21 Milled 6"x6"x10' #2 SYP CCA.40	PF \$1,155.00	
#1 SYP CCA.40 KDAT 19% Lumber	PF \$10,479.00	
Screws, Nails, Bolts, Framing Angles	PF <u>\$1,929.23</u>	
	\$13,563.23	
Suspension System		
Cable Saddles (4)	PF \$3,200.00	
Two 200' 1" 6x25 EIP IWRC Wire Rope with Spelter Sockets (4)	PF \$1,393.68	Transport - GPU Energy \$400.00
Four 1-3/4" 24" Turnbuckles	TC \$1,000.00	
Forty-two Piggy Back Clips	TC \$861.00	
1/2" 6"x19" Wire Rope to 30" Threaded Rods	TC \$2,603.52	
Forty-two Square Nuts	TC \$126.00	
Eighty 3"x3"x1/4" Square Galvanized Washers	<u> </u>	GPU Energy <u>\$160.00</u>
	\$9,184.20	\$560.00
Miscellaneous Material		
1"x1" Poly Galv Mesh	PF \$561.30	
Screw Tips, Saw Blades	PF \$200.00	
Bit. Water Proof	PF <u>\$10.00</u>	
	\$771.30	
<i>Subtotal:</i>	<u>\$32,323.33</u>	<u>\$4,954.00</u>
Access Prep		
Dump Trucks @ \$250 - \$450/Day		\$4,150.00
Backhoe @ \$700/Day		\$3,850.00
Filter Cloth, Seed	P.Bell	\$225.00
Crushed Stone	P.Bell	\$636.00
Dock & Steel Plate for Temporary Bridges	PF	<u>\$500.00</u>
		\$9,361.00**
Heavy Machinery for Tower and Bridge Construction		
Swamp Anchor Track Digger, 17 Hr @ \$66/Hr.	GPU Energy	\$1,122.00
Digger Truck, 13.5 Hr @ \$58.44/Hr		\$790.00
Cherry Picker Bucket Truck, 20 Hr @ \$58.50/Hr	GPU Energy	\$1,170.00
JD710 Backhoe for Foundation X, 21 Hr @ \$66/Hr	GPU Energy	\$1,386.00
JD450 Bulldozer 28 Hr @ \$78/Hr	GPU Energy	\$2,184.00
Flatbed Trucks & Dump Body	PF	<u>\$1,005.00</u>
		\$7,657.00

*Includes USDA Forest Service Funding

**Excluded from the total cost. For details, see: "Project Cost Tabulation Exclusions" on page 88.



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

<u>Use & Item</u>	<u>Cash Provided By:</u>		<u>Donations Provided By:</u>	
<i>Hand Tools and Equipment</i>				
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
<i>Miscellaneous</i>				
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
Total		\$33,491.33		\$21,296.00

*Includes USDA Forest Service Funding

Peoplepower Breakdown: Bridge-Specific Construction Only

State Employees

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
Subtotal	2,459 Hours (47%)		=	\$20,785.00