

Scope of Work

To: Brian Datte
Penn-Delco School District
No Address Input

610-497-6300x8601

From: Shane Thomas
S.J. Thomas Company, Inc.
140 Bartram Ave.
Lansdowne, PA 19014
(610) 622-3720

Job Order No: 134101.00
Job Order Title: Penn-Delco SD Sun Valley HS Replace RTU's

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

Demolition of 2 existing (25-ton and 30-ton) Trane air cooled rooftop RTU units, and replaced with 2 new Trane rooftop units (25-ton and 30-ton) including new pipe connections, start-up/ Warranty, UV mounted interior lights, and new controls/ wiring

----- Mechanical: Replace (2) Trane RTU's- Includes: • Remove and recover refrigerant and remove and discard of existing units • New pipe connections • Crane and rigging as required for old and new RTU units • Start-up and warranty • UV lights mounted in units • BAS Controls for new RTU units operations

----- Electrical: Disconnect and reconnect of RTU's, as well as the hook-up, wiring, and connections/ transmissions of all RTU control BAS boxes

----- Excludes: Testing, inspections, permits, fees, roof work, roof curbing
Subject to the terms and conditions of JOC Contract 2021JOCC-49.

Brian Datte, Requestor

Date

Shane Thomas, Project Manager

Date

Contractor's Cost Proposal - Summary (L/E/M)

Date: November 13, 2024

Re: IQC Master Contract #: 2021JOCC-49
JOC Work Order #: 134101.00
Owner PO #:
Title: Penn-Delco SD Sun Valley HS Replace RTU's
Contractor: S.J. Thomas Company, Inc.
Proposal Value: \$421,431.90

Bond	\$9,009.00
charge	\$3,771.50
Contractor Discount	-\$38,000.00
Control/ BAS work	\$31,995.22
crane	\$7,061.76
crane mat	\$125.19
Electrical	\$7,371.54
hangars	\$373.65
insulation	\$1,517.62
labor	\$3,534.84
NPP- UV lights	\$14,400.00
pipng	\$9,525.01
recovery	\$1,273.25
RTU's	\$328,764.36
saw cut	\$1,371.79
transport	\$16,021.81
valve	\$23,315.36
Proposal Total	\$421,431.90

This Proposal total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding of the line totals and sub-totals.

The Percentage of NPP on this Proposal: %

Contractor's Cost Proposal - Detail (L/E/M)

Date: November 13, 2024

Re: IQC Master Contract #: 2021JOCC-49
 JOC Work Order #: 134101.00
 Owner PO #:
 Title: Penn-Delco SD Sun Valley HS Replace RTU's
 Contractor: S.J. Thomas Company, Inc.
 Proposal Value: \$421,431.90

Sect.	Item	Mod.	UOM	Description	Line Total
Labor	Equip.	Material	(Excludes)		
Bond					
1	01 22 16 00 0002		EA	Reimbursable Fees Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.	\$9,009.00
			Installation	Quantity Unit Price Factor = Total	
				9,009.00 x 1.00 x 1.0000 = 9,009.00	
			Bond		
Subtotal for Bond					\$9,009.00
charge					
2	23 23 23 00 0002		LB	R-113 Refrigerant	\$3,771.50
			Installation	Quantity Unit Price Factor = Total	
				65.00 x 42.98 x 1.3500 = 3,771.50	
			Units refrigerant		
Subtotal for charge					\$3,771.50
Contractor Discount					
3	01 22 16 00 0002		EA	Reimbursable Fees Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.	-\$38,000.00
			Installation	Quantity Unit Price Factor = Total	
				-38,000.00 x 1.00 x 1.0000 = -38,000.00	
			Contractor Discount		
Subtotal for Contractor Discount					-\$38,000.00
Control/ BAS work					
4	01 22 20 00 0030		HR	Sheet Metal Worker For tasks not included in the Construction Task Catalog® and as directed by owner only.	\$24,743.88
			Installation	Quantity Unit Price Factor = Total	
				140.00 x 130.92 x 1.3500 = 24,743.88	
			Hours for control work from Conexus		
5	23 05 93 00 0013		EA	Balancing Variable Volume Air Handling Unit	\$4,776.60
			Installation	Quantity Unit Price Factor = Total	
				2.00 x 1,769.11 x 1.3500 = 4,776.60	
6	23 09 23 53 0133		EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	\$2,474.74
			Installation	Quantity Unit Price Factor = Total	
				2.00 x 916.57 x 1.3500 = 2,474.74	

Contractor's Cost Proposal - Detail (L/E/M) Continues..

Job Order No: 134101.00
Job Order Title: Penn-Delco SD Sun Valley HS Replace RTU's

Subtotal for Control/ BAS work **\$31,995.22**

crane

7	01 22 20 00 0058	HR	Flagperson For Traffic Control						\$859.25	
			Quantity	Unit Price		Factor	=	Total		
		Installation	8.00	79.56	x	1.3500	=	859.25		
			labor for flagging as required for crane rigging activities							
8	01 22 23 00 0801	DAY	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator						\$6,202.51	
			Quantity	Unit Price		Factor	=	Total		
		Installation	1.00	4,594.45	x	1.3500	=	6,202.51		
			crane for rigging of old RTU units off roof, and rigging new units to roof							

Subtotal for crane **\$7,061.76**

crane mat

9	01 22 23 00 0475	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat						\$125.19	
			Quantity	Unit Price		Factor	=	Total		
		Installation	3.00	30.91	x	1.3500	=	125.19		
			Mat support for crane							

Subtotal for crane mat **\$125.19**

Electrical

10	01 22 20 00 0010	HR	ElectricianFor tasks not included in the Construction Task Catalog® and as directed by owner only.						\$7,371.54	
			Quantity	Unit Price		Factor	=	Total		
		Installation	40.00	136.51	x	1.3500	=	7,371.54		
			Hour to disconnect and reconnect each unit. Hours to install wiring for UV lights.							

Subtotal for Electrical **\$7,371.54**

hangars

11	23 05 29 00 0028	EA	1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)						\$373.65	
			Quantity	Unit Price		Factor	=	Total		
		Installation	6.00	33.27	x	1.3500	=	269.49		
		Demolition	6.00	12.86	x	1.3500	=	104.17		
			hangars for pipe/ valves							

Subtotal for hangars **\$373.65**

insulation

12	23 07 19 00 0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation						\$1,517.62	
			Quantity	Unit Price		Factor	=	Total		
		Installation	48.00	18.69	x	1.3500	=	1,211.11		
		Demolition	48.00	4.73	x	1.3500	=	306.50		
			insulation of ball valves							

Subtotal for insulation **\$1,517.62**

labor

13	01 22 20 00 0030	HR	Sheet Metal WorkerFor tasks not included in the Construction Task Catalog® and as directed by owner only.						\$3,534.84	
			Quantity	Unit Price		Factor	=	Total		
		Installation	20.00	130.92	x	1.3500	=	3,534.84		
			Set-up and Start-up of the 2 newly installed RTU units							

Contractor's Cost Proposal - Detail (L/E/M) Continues..

Job Order No: 134101.00
Job Order Title: Penn-Delco SD Sun Valley HS Replace RTU's

Subtotal for labor **\$3,534.84**

NPP- UV lights

14	01 22 16 00 0002	EA	Reimbursable Fees Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.		\$14,400.00	
			Quantity	Unit Price	Factor	Total
		Installation	12,000.00	x 1.00	x 1.2000	= 14,400.00
		NPP- UV lights mounted in the 2 new Trane RTU rooftop units- SEE UPLOADED SUPPORT DOC				

Subtotal for NPP- UV lights **\$14,400.00**

piping

15	33 61 13 13 0262	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		\$2,142.18	
			Quantity	Unit Price	Factor	Total
		Installation	20.00	x 59.24	x 1.3500	= 1,599.48
		Demolition	20.00	x 20.10	x 1.3500	= 542.70
		copper piping				
16	33 61 13 13 0320	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		\$7,382.83	
			Quantity	Unit Price	Factor	Total
		Installation	12.00	x 455.73	x 1.3500	= 7,382.83
		copper elbows				

Subtotal for piping **\$9,525.01**

recovery

17	23 01 60 71 0002	LB	Recovery Of Refrigerant		\$1,273.25	
			Quantity	Unit Price	Factor	Total
		Installation	65.00	x 14.51	x 1.3500	= 1,273.25
		old RTU units refrigerant recovery- 34 + 31 lbs.= 65 lbs.				

Subtotal for recovery **\$1,273.25**

RTU's

18	23 74 16 13 0053	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit		\$164,382.18	
			Quantity	Unit Price	Factor	Total
		Installation	1.00	x 106,472.52	x 1.3500	= 143,737.90
		Demolition	1.00	x 15,292.06	x 1.3500	= 20,644.28
		Used as old Trane unit and New 30 Ton Electric Cooling, Electric Heat, Self Contained Package Trane Rooftop Unit (#SLHPF304A*47C49D9C01D0C0000000RU0M8A0)				
19	23 74 16 13 0053	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit		\$164,382.18	
			Quantity	Unit Price	Factor	Total
		Installation	1.00	x 106,472.52	x 1.3500	= 143,737.90
		Demolition	1.00	x 15,292.06	x 1.3500	= 20,644.28
		Used as old Trane unit and New 25 Ton Electric Cooling, Electric Heat, Self Contained Package Trane Rooftop Unit (#SLHPF254C*36C3AD9C01D0C0000000RU0M8A0)				

Subtotal for RTU's **\$328,764.36**

saw cut

Contractor's Cost Proposal - Detail (L/E/M) Continues..

Job Order No: 134101.00
Job Order Title: Penn-Delco SD Sun Valley HS Replace RTU's

saw cut

20	02 41 19 13 0014	EA	Saw Cut Minimum Charge	For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.					\$1,371.79	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	1,016.14	1.3500	=	1,371.79		
			cut off RTU unit connections for crane rigging aspects							

Subtotal for saw cut **\$1,371.79**

transport

21	01 71 13 00 0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed	Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.					\$3,746.09	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	1,387.44	1.3500	=	3,746.09		
			transport for 2 old removed units - 1 unit on each trailer= 2 trailers							

22	01 71 13 00 0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed	Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.					\$3,746.09	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	1,387.44	1.3500	=	3,746.09		
			transport for 2 New rooftop units to install/ hook-up - 1 unit on each trailer= 2 trailers							

23	01 71 13 00 0017	EA	200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	Includes delivery, rigging and pickup.					\$6,823.70	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	5,054.59	1.3500	=	6,823.70		
			transport crane and set up/ dismantle							

24	01 71 13 00 0017 0039	MOD	For >30 To 60 Miles Radius, Add						\$1,705.93
			Installation	Quantity	Unit Price	Factor	=	Total	
				1.00	1,263.65	1.3500	=	1,705.93	

Subtotal for transport **\$16,021.81**

valve

25	23 05 23 00 0135	EA	1-1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve						\$23,315.36	
			Installation	Quantity	Unit Price	Factor	=	Total		
				24.00	702.43	1.3500	=	22,758.73		
			Demolition	Quantity	Unit Price	Factor	=	Total		
				24.00	17.18	1.3500	=	556.63		
			stainless 3 piece ball valves							

Subtotal for valve **\$23,315.36**

Proposal Total **\$421,431.90**

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The Percentage of NPP on this Proposal: %

DWD MECHANICAL CONTRACTOR, INC.

1005 Kedron Avenue ♦ Morton, Pennsylvania 19070 ♦ Phone: 610.328.0820 Fax: 610.328.0824

Full Service HVAC, Process Piping, and Plumbing

DWD Mechanical Inc. Quote

October 9, 2024

Customer: SJ Thomas

Location: Sun Valley HS

Attention: Russ King

Scope of Work: Install (2) UV lights mounted in the Trane RTUs

- Mount and wire direct UV lights in the new RTUs. Power will come from the unit side and no additional power wire is needed.

Price: \$12,000.00

DOES NOT INCLUDE NEW CONTROLS or external control indicators for UV lights.

Exclusions: High voltage wiring, disconnects.

John Rihl

John Rihl
DWD Mechanical Inc

Due to the current volatile market, this price is good for 25 days. DWD will not be held responsible for equipment and material delays due to the current market conditions. DWD reserves the right to provide updated pricing and delivery schedules once released to move forward.