

July 16, 2026

Theodore Schiefer
President
T. Schiefer Contractors, Inc.
3864 Old Easton Road
Doylestown, PA 18902

**RE: Notice of Intent to Award
Hallowell Street Reconstruction
Borough of Conshohocken
RVE File #PA460213T003**

Dear Mr. Schiefer:

Remington & Vernick Engineers (RVE) has performed a review of the bids received on June 12, 2026 for the above referenced project. Your firm, T. Schiefer Contractors, Inc. has been determined to be the apparent low bidder. A total of five (5) bids were received for this project ranging from \$721,155.00 to \$830,709.85 for the base bid.

RVE will have, at a minimum, five (5) days to conduct a contractor responsibility review on behalf of the Borough of Conshohocken (Borough). At the conclusion of the review period, RVE will issue a written contractor responsibility determination in accordance with the Borough's Responsible Contractor Ordinance (RCO).

Please submit RCO documentation for all Subcontractors, including a completed RCO checklist, to our office within seven (7) days.

Should you have any questions please feel free to contact our office at (610) 940-1050.

Sincerely,
REMINGTON & VERNICK ENGINEERS
By



Tyler Williams, P.E., Associate
Borough Engineer

TW/as

cc: Stephanie Cecco, Borough of Conshohocken, Borough Manager (via email)
Ray Sokolowski, Borough of Conshohocken, Executive Director of Operations (via email)
Michael E. Peters, Eastburn and Gray, PC, Borough Solicitor (via email)
Christopher J. Fazio, P.E., C.M.E., Greater PA Municipal Practice Director - Northeast
Raymond Ruczynski, Jr., Department Head – Construction Management and Inspection

July 23, 2026

Stephanie Cecco
Borough Manager
Borough of Conshohocken
400 Fayette Street, Suite 200
Conshohocken, PA 19428

**RE: Contractor Responsibility Determination and Letter of Recommendation
Hallowell Street Reconstruction
Borough of Conshohocken
RVE File #PA460213T003**

Dear Ms. Cecco:

Remington & Vernick Engineers (RVE) has reviewed the bids and required Responsible Contractor Ordinance documentation received on June 12, 2026 for the above referenced project, and has found no discrepancies in the bid submitted by the apparent low bidder, T. Schiefer Contractors, Inc. (hereafter referred to as "Contractor"). A total of five (5) bids were received for this project ranging from \$721,155.00 to \$830,709.85 for the base bid.

The Contractor submitted their bid for the Base Bid work in the amount of \$721,155.00, for Alternate Bid No. 1 in the amount of \$40,940.00, and for Alternate Bid No. 2 in the amount of \$70,490.00. A copy of the bid tabulation has been enclosed for your reference.

RVE conducted a contractor responsibility review on behalf of the Borough of Conshohocken and has deemed the contractor to be responsible in accordance with the Borough of Conshohocken's Responsible Contractor Ordinance.

RVE therefore recommends award of the Base Bid, Alternate Bid No. 1 and Alternate Bid No. 2 to the Contractor in the total amount of \$832,585.00, contingent upon funds being available and upon receiving authorization to award from all funding agencies.

Should you have any questions, please feel free to contact our office at (610) 940-1050.

Sincerely,
REMINGTON & VERNICK ENGINEERS

By



Tyler Williams, P.E., Associate
Borough Engineer

TW/as

Enclosure

cc: Ray Sokolowski, Borough of Conshohocken, Executive Director of Operations (via email)
Michael E. Peters, Eastburn and Gray, PC, Borough Solicitor (via email)
Christopher J. Fazio, P.E., C.M.E., Greater PA Municipal Practice Director - Northeast
Raymond Ruczynski, Jr., Department Head – Construction Management and Inspection

BID TABULATION

PROJECT NAME:
Hallowell Street Reconstruction
PROJECT NUMBER:
PA460213T003
Client:
Borough of Conshohocken

T. Schiefer Contractors, Inc. 3864 Old Easton Road Doylestown, PA 18902 215-345-1521	Scott Building Corporation T/A Scott Contractors, Inc. 2939 Felton Road Norristown, PA 19401 610-278-8666	Mayfield Site 596 Swedland Road King of Prussia, PA 19406 610-805-7978	Marino Corporation 1400 Cressman Road, P.O. Box 1209 Skippack, PA 19474 610-584-1800	Albert G. Cipolloni Jr. & Sons, Inc. 719 Highland Avenue Morton, PA 19070 610-543-6144
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Base Bid

#	DESCRIPTION	QUANTITY & UNITS		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	Mobilization (Max \$25,000)	1	LS	\$25,000.00	\$25,000.00	\$24,500.00	\$24,500.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$5,000.00	\$5,000.00
2	Maintenance and Protection of Traffic	1	LS	\$15,000.00	\$15,000.00	\$56,100.00	\$56,100.00	\$18,000.00	\$18,000.00	\$44,800.00	\$44,800.00	\$11,950.00	\$11,950.00
3	Class 1 Excavation	190	CY	\$90.00	\$17,100.00	\$63.75	\$12,112.50	\$150.00	\$28,500.00	\$80.00	\$15,200.00	\$84.54	\$16,062.60
4	Asphalt Milling, 1.5" Depth	6790	SY	\$4.00	\$27,160.00	\$6.00	\$40,740.00	\$7.50	\$50,925.00	\$4.30	\$29,197.00	\$6.03	\$40,943.70
5	Superpave Asphalt Wearing Course, 9.5MM, PG 64S-22, 3 to 30 Million ESAL's, SRL-H, 1.5" Depth	650	TON	\$134.00	\$87,100.00	\$157.75	\$102,537.50	\$150.00	\$97,500.00	\$148.00	\$96,200.00	\$181.24	\$117,806.00
6	Superpave Asphalt Leveling Course, 9.5MM, PG 64S-22, 3 to 30 million ESAL's, If and Where Directed	180	TON	\$125.00	\$22,500.00	\$205.75	\$37,035.00	\$225.00	\$40,500.00	\$152.00	\$27,360.00	\$181.24	\$32,623.20
7	Superpave Asphalt Base Course, 25MM, PG 64S-22, 3 to 30 Million ESAL's, 4.5" Depth	590	SY	\$39.00	\$23,010.00	\$39.25	\$23,157.50	\$47.00	\$27,730.00	\$45.00	\$26,550.00	\$47.47	\$28,007.30
8	Base Repair, 4.5" Depth, If and Where Directed	3000	SY	\$47.00	\$141,000.00	\$45.75	\$137,250.00	\$53.00	\$159,000.00	\$49.00	\$147,000.00	\$58.08	\$174,240.00
9	PennDOT No. 2A Subbase, 6" Depth	590	SY	\$19.00	\$11,210.00	\$21.00	\$12,390.00	\$40.00	\$23,600.00	\$13.00	\$7,670.00	\$26.40	\$15,576.00
10	Concrete Curb	1340	LF	\$89.00	\$119,260.00	\$92.50	\$123,950.00	\$80.00	\$107,200.00	\$112.00	\$150,080.00	\$115.56	\$154,850.40
11	Plain Cement Concrete Sidewalk	210	SY	\$198.00	\$41,580.00	\$138.00	\$28,980.00	\$170.00	\$35,700.00	\$185.00	\$38,850.00	\$199.86	\$41,970.60
12	Reinforced Concrete Driveway Apron	50	SY	\$252.00	\$12,600.00	\$205.25	\$10,262.50	\$250.00	\$12,500.00	\$284.00	\$14,200.00	\$248.45	\$12,422.50
13	ADA Curb Ramp, Including DWS	550	SY	\$252.00	\$138,600.00	\$129.25	\$71,087.50	\$150.00	\$82,500.00	\$285.00	\$156,750.00	\$250.00	\$137,500.00
14	ADA Curb Ramp, 6" Thick, Including Reinforcement and DWS	10	SY	\$288.00	\$2,880.00	\$467.50	\$4,675.00	\$400.00	\$4,000.00	\$504.00	\$5,040.00	\$281.45	\$2,814.50
15	24" White Hot Thermoplastic Pavement Markings	1340	LF	\$9.00	\$12,060.00	\$8.25	\$11,055.00	\$10.00	\$13,400.00	\$7.60	\$10,184.00	\$9.79	\$13,118.60
16	4" Blue Hot Thermoplastic Pavement Markings	10	LF	\$30.00	\$300.00	\$2.25	\$22.50	\$5.00	\$50.00	\$2.00	\$20.00	\$4.40	\$44.00
17	6" White Hot Thermoplastic Pavement Markings	130	LF	\$4.00	\$520.00	\$1.75	\$227.50	\$2.00	\$260.00	\$1.60	\$208.00	\$1.65	\$214.50
18	Stop Sign Relocation	15	EA	\$225.00	\$3,375.00	\$361.75	\$5,426.25	\$375.00	\$5,625.00	\$242.00	\$3,630.00	\$229.13	\$3,436.95
19	Manhole Adjustments, If and Where Directed	1	EA	\$1,200.00	\$1,200.00	\$1,801.25	\$1,801.25	\$2,500.00	\$2,500.00	\$710.00	\$710.00	\$1,519.00	\$1,519.00
20	Project Sign	1	EA	\$1,200.00	\$1,200.00	\$956.25	\$956.25	\$4,100.00	\$4,100.00	\$1,480.00	\$1,480.00	\$1,650.00	\$1,650.00
21	Record Documents	1	LS	\$3,500.00	\$3,500.00	\$2,228.00	\$2,228.00	\$5,000.00	\$5,000.00	\$8,200.00	\$8,200.00	\$3,960.00	\$3,960.00
22	Allowance (Required Fixed Bid of \$15,000)	1	AL	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00
Base Bid Construction Cost Estimate Subtotal:					\$721,155.00		\$721,494.25		\$758,590.00		\$823,329.00		\$830,709.85

BID TABULATION

PROJECT NAME:
Hallowell Street Reconstruction
PROJECT NUMBER:
PA460213T003
Client:
Borough of Conshohocken

T. Schiefer Contractors, Inc. 3864 Old Easton Road Doylestown, PA 18902 215-345-1521	Scott Building Corporation T/A Scott Contractors, Inc. 2939 Felton Road Norristown, PA 19401 610-278-8666	Mayfield Site 596 Swedland Road King of Prussia, PA 19406 610-805-7978	Marino Corporation 1400 Cressman Road, P.O. Box 1209 Skippack, PA 19474 610-584-1800	Albert G. Cipolloni Jr. & Sons, Inc. 719 Highland Avenue Morton, PA 19070 610-543-6144
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Alternate Bid No. 1 - Alley Between Hallowell St. & Wells St.

#	DESCRIPTION	QUANTITY & UNITS		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
101	Maintenance and Protection of Traffic	1	LS	\$500.00	\$500.00	\$2,500.00	\$2,500.00	\$3,000.00	\$3,000.00	\$12,000.00	\$12,000.00	\$2,500.00	\$2,500.00
102	Asphalt Milling, 1.5" Depth	1040	SY	\$4.00	\$4,160.00	\$6.00	\$6,240.00	\$7.50	\$7,800.00	\$7.60	\$7,904.00	\$7.19	\$7,477.60
103	Superpave Asphalt Wearing Course, 9.5MM, PG 64S-22, 3 to 30 Million ESAL's, SRL-H, 1.5" Depth	95	TON	\$134.00	\$12,730.00	\$157.75	\$14,986.25	\$300.00	\$28,500.00	\$210.00	\$19,950.00	\$187.12	\$17,776.40
104	Superpave Asphalt Leveling Course, 9.5MM, PG 64S-22, 3 to 30 million ESAL's, If and Where Directed	30	TON	\$125.00	\$3,750.00	\$205.75	\$6,172.50	\$745.00	\$22,350.00	\$250.00	\$7,500.00	\$187.12	\$5,613.60
105	Base Repair, 4.5" Depth, If and Where Directed	450	SY	\$44.00	\$19,800.00	\$45.75	\$20,587.50	\$82.00	\$36,900.00	\$55.00	\$24,750.00	\$61.12	\$27,504.00
Alternate Bid No. 1 Construction Cost Estimate Subtotal:					\$40,940.00		\$50,486.25		\$98,550.00		\$72,104.00		\$60,871.60

Alternate Bid No. 2 - Alley Between Harry St. & Hallowell St.

#	DESCRIPTION	QUANTITY & UNITS		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
201	Maintenance and Protection of Traffic	1	LS	\$500.00	\$500.00	\$2,500.00	\$2,500.00	\$7,000.00	\$7,000.00	\$12,000.00	\$12,000.00	\$2,500.00	\$2,500.00
202	Asphalt Milling, 1.5" Depth	1040	SY	\$4.00	\$4,160.00	\$6.00	\$6,240.00	\$7.50	\$7,800.00	\$6.00	\$6,240.00	\$7.19	\$7,477.60
203	Superpave Asphalt Wearing Course, 9.5MM, PG 64S-22, 3 to 30 Million ESAL's, SRL-H, 1.5" Depth	95	TON	\$134.00	\$12,730.00	\$157.75	\$14,986.25	\$300.00	\$28,500.00	\$184.00	\$17,480.00	\$187.12	\$17,776.40
204	Base Repair, 4.5" Depth, If and Where Directed	900	SY	\$44.00	\$39,600.00	\$45.75	\$41,175.00	\$82.00	\$73,800.00	\$44.00	\$39,600.00	\$61.12	\$55,008.00
205	PennDOT No. 2A Subbase, 6" Depth, If and Where Directed	750	SY	\$18.00	\$13,500.00	\$21.00	\$15,750.00	\$28.00	\$21,000.00	\$12.00	\$9,000.00	\$24.38	\$18,285.00
Alternate Bid No. 2 Construction Cost Estimate Subtotal:					\$70,490.00		\$80,651.25		\$138,100.00		\$84,320.00		\$101,047.00
Overall Total					\$832,585.00		\$852,631.75		\$995,240.00		\$979,753.00		\$992,628.45

SUBCONTRACTOR DECLARATION

Title of Project: Hallowell Street Reconstruction

Local Contracting Agency: Borough of Conshohocken

- A. Each bidder shall set forth in their bid the names, addresses and license numbers (where required) of each subcontractor for the furnishing of plumbing and gas fitting, and kindred work, and of the steam and hot water heating and ventilating apparatus, steam power plants and kindred work, and electrical work, structural steel and ornamental iron work, if any, for the construction, alteration or repair of public buildings.
- B. A general contractor that intends to utilize a specific subcontractor to perform work in one or more of the specialty trade categories shall provide the required information with regard to that subcontractor in the appropriate space for each specialty trade category applicable to the contract.
- C. There shall be submitted proof that each subcontractor is qualified in accordance with the rules and regulations of the state in which the project is located, when such rules and regulations exist.
- D. A general contractor that intends to perform work in one or more specialty trade categories either through the use of its own employees or the general contractor themselves, rather than through the utilization of a subcontractor, shall write the word "IN-HOUSE" next to each applicable category and then insert the name and license number (where required), of each such employee of the general contractor or the general contractor themselves in the appropriate spaces provided for each specialty trade category applicable to the contract. If the contract does not involve any of the specialty trade categories below, insert the word "NONE" in the appropriate spaces provided. (Attach additional pages if necessary)

1. Plumbing.

Name:		Telephone:	
Address:			
License #:			

2. Heating, Ventilating and Air Conditioning.

Name:		Telephone:	
Address:			
License #:			

3. Electrical.

Name:		Telephone:	
Address:			
License #:			

4. Other: Pavement Markings

Name:	Zone Striping, Inc.	Telephone:	856-582-5900
Address:	P.O. 568, Glassboro, NJ 08028		
License #:	#064125		

5. Other: _____

Name:		Telephone:	
Address:			
License #:			

6. Other: _____

Name:		Telephone:	
Address:			
License #:			

7. Other: _____

Name:		Telephone:	
Address:			
License #:			

8. Other: _____

Name:		Telephone:	
Address:			
License #:			

9. Other: _____

Name:		Telephone:	
Address:			
License #:			



Membership Certificate

T. Schiefer Contractors, Inc. is a member in good standing with the Eastern Pennsylvania Chapter of the Associated Builders and Contractors for the calendar year of 2026.

Matthew Opelka

Chapter Signature

Member Since 2019

ID# 9866839



July 24, 2024

Re: **T. Schiefer Contractors, Inc.**

To Whom It May Concern:

I am writing this letter to confirm and certify that **T. Schiefer Contractors, Inc.** participates in a bona fide apprenticeship program approved and registered with the Commonwealth of Pennsylvania.

The Associated Builders and Contractors Eastern Pennsylvania Apprenticeship Trust is approved and registered to operate as a registered apprenticeship program by the Pennsylvania Apprenticeship Training Council ("PATC") a department of the Pennsylvania Department of Labor and Industry. The ABC Eastern Pennsylvania Apprenticeship Trust's program identification number is PA00667005.

The ABC Eastern Pennsylvania Apprenticeship Trust has been operating continuously as a bona fide, certified apprenticeship Training Program since 1967, and has graduated trainees from apprentice to journeyman status since 1971 to the present.

T. Schiefer Contractors, Inc., as a member of the ABC Eastern Pennsylvania Chapter, has had and will continue to have access to programs in the following apprentice trades:

- Carpentry
- Construction Craft Laborer
- Electrical
- Heating, Ventilation and Air Conditioning
- Laborer
- Masonry
- Painting
- Pipefitter
- Plumbing
- Roofing
- Sheet Metal
- Sprinkler Fitter
- Heavy Equipment Operator

For further information regarding the registered programs of the Eastern Pennsylvania Chapter of Associated Builders and Contractors, please feel free to reach out to us at any time.

Chris Clauss

Director of Education

Associated Builders and Contractors, Inc.

Eastern Pennsylvania Chapter

Philadelphia | Suburban Philadelphia | Lehigh Valley | Northeast Pennsylvania

O (610) 279-6666 | C (610) 999- 1333



June 4, 2024

Re: **T. Schiefer Contractors, Inc**

To Whom It May Concern:

I am writing this letter to confirm and certify that **T. Schiefer Contractors, Inc** participates in a bona fide apprenticeship program approved and registered with the Commonwealth of Pennsylvania. They have currently enrolled 3 Trainees who will attend instruction for Construction within our program.

The Associated Builders and Contractors Eastern Pennsylvania Apprenticeship Trust is approved and registered to operate as a registered apprenticeship program by the Pennsylvania Apprenticeship Training Council ("PATC") a department of the Pennsylvania Department of Labor and Industry. The ABC Eastern Pennsylvania Apprenticeship Trust's program identification number is PA00667005.

The ABC Eastern Pennsylvania Apprenticeship Trust has been operating continuously as a bona fide, certified apprenticeship Training Program since 1967, and has graduated trainees from apprentice to journeyman status since 1971 to the present. As a member in good standing of the Associated Builders and Contractors Eastern Pennsylvania Chapter, Professional Construction Contractors, Inc participates in and has access to apprenticeship programs administered through the ABC EP Apprenticeship Trust.

T. Schiefer Contractors, Inc, as a member of the ABC Eastern Pennsylvania Chapter, has had and will continue to have access to programs in the following apprentice trades:

- Carpentry
- Construction Craft Laborer
- Electrical
- Heating, Ventilation and Air Conditioning
- Laborer
- Masonry
- Painting

- Pipefitter
- Plumbing
- Roofing
- Sheet Metal
- Sprinkler Fitter

For further information regarding the registered programs of the Eastern Pennsylvania Chapter of Associated Builders and Contractors, please feel free to reach out to us at any time.

Sincerely,

Rachael Vermeulen

Education Coordinator

Associated Builders and Contractors, Inc.

Eastern Pennsylvania Chapter

Philadelphia | Suburban Philadelphia | Lehigh Valley | Northeast Pennsylvania

O (610) 279-6666 | C (407) 308-1955





March 18, 2024

To Whom it may Concern:

I am writing this letter to confirm and certify that T. Schiefer has been a member of the Eastern Pennsylvania Chapter of the Associated Builders and Contractors, and as such has access to a state approved apprentice program. T. Schiefer routinely uses the apprentice program and has graduated numerous craft professionals to the journey level.

- T. Schiefer is a current member of Associated Builders & Contractors Eastern Pa Chapter and has access to our apprenticeship program, with student enrolled.
- The Associated Builders & Contractors Eastern Pennsylvania Apprenticeship Trust ("ABC-EP Apprenticeship Trust") is approved and registered to operate as a Registered Apprenticeship Program by the Pennsylvania Apprenticeship Training Council ("PATC"), a department of the Pennsylvania Department of Labor and Industry and the Federal Department of Labor.
- The program has graduated apprentices to journeymen status 3 of the past 5 years.

The ABC-EP Apprenticeship Trust's program identification number is PA00667005. The ABC-EP Apprenticeship Trust has been operating continuously as a bona fide, certified Apprenticeship Training Program since 1967, and has graduated students from apprentice to journeyman status since 1971 to the present.

As a member in good-standing of the Associated Builders & Contractors Eastern Pennsylvania Chapter (the "ABC-EP Chapter") T. Schiefer has access to apprenticeship programs administered through the ABC-EPA Apprenticeship Trust.

ABC Eastern Pa chapter to include the Keystone chapter has graduated journeymen within 3 or more of the last 5 years.

Regards,

Amanda Milewski

Amanda Milewski

Executive Vice President/ Chief Operating Officer

East Norriton Office; 430 W. Germantown Pike, East Norriton, PA 19403 | 610.279.6666
Allentown Office; 894 Marcon Boulevard, Suite 110, Allentown, PA 18109 | 610.821.9686



To whom it May Concern:

The ABC Eastern PA Apprenticeship Trust is approved by the PATC (Pennsylvania Apprenticeship Training Council), under our Registered Apprenticeship Program #PA006670005 to deliver the following programs. Furthermore, The ABC Eastern PA Apprenticeship Trust has Graduated more then 25 Apprentices in each of the last 5 years.

ABC members have access to the Apprenticeship programs of both the Eastern Pa Chapter and the Keystone Chapter. Regardless of Chapter affiliation.

219 Carpentry Apprentices
342 Electrical Apprentices
24 Heavy Equipment Operators Apprentices
45 HVAC Apprentices
38 Laborer Apprentices
38 Pipefitter Apprentices
67 Sheet Metal Apprentices
5 Sprinkler fitter Apprentices
82 Plumbing Apprentices
22 Mason Apprentices

Sincerely,
Justin Flores
Dean of Academic Affairs/Student Relations
Jflores@abceastpa.org

Commonwealth of Pennsylvania



Department of Labor and Industry

Certificate of Registration

APPRENTICESHIP STANDARDS

This certifies that the organization below named has registered an apprentice training program under standards approved by the

Pennsylvania Apprenticeship and Training Council
and the
Federal Committee on Apprenticeship

in the following trade(s):



KEYSTONE CHAPTER

Name ASSOCIATED BUILDERS & CONTRACTORS INC.

City LANCASTER

State PENNSYLVANIA

Date February 9, 1967

Revised: 8-3-72

CARPENTER, CONSTRUCTION
ELECTRICIAN, CONSTRUCTION
BRICKLAYER
STONE MASON
PLUMBER-PIPE FITTER
SHEET METAL WORKER,
CONSTRUCTION
REFRIGERATION & AIR
CONDITIONING MECHANIC

James M. Shultz
Acting Secretary, Pennsylvania Apprenticeship and Training Council
Department of Labor and Industry



Department of Labor and Industry

Certificate of Registration

APPRENTICESHIP STANDARDS

This certifies that the organization below named has registered an apprentice training program under standards approved by the

Pennsylvania Apprenticeship and Training Council
and the
Federal Committee on Apprenticeship

in the following trade(s):

Name KEYSTONE CHAPTER
ASSOCIATED BUILDERS & CONTRACTORS

City MANHEIM

State PENNSYLVANIA

Date FEBRUARY 9, 1967
Revised: MARCH 12, 1992

AC & REFRIG. MECHANIC
ASBESTOS WORKERS, CONSTR.
CARPENTER/CONSTRUCTION
CEMENT MASON
ELECTRICIAN, CONSTRUCTION
HYV. EQUIP. OPERATOR
BRICKLAYER
PLASTERER
PLUMBER
PRE-CAST CONCRETE SPEC
SPRINKLER FITTER

ROOFER
STONE MASON
SHEET METAL
WORKER



Raymond A. Lawrence

Secretary, Pennsylvania Apprenticeship and
Training Council
Department of Labor and Industry



Department of Labor and Industry

Certificate of Registration

APPRENTICESHIP STANDARDS

This certifies that the organization below named has registered an apprentice training program under standards approved by the

Pennsylvania Apprenticeship and Training Council
and the
Federal Committee on Apprenticeship

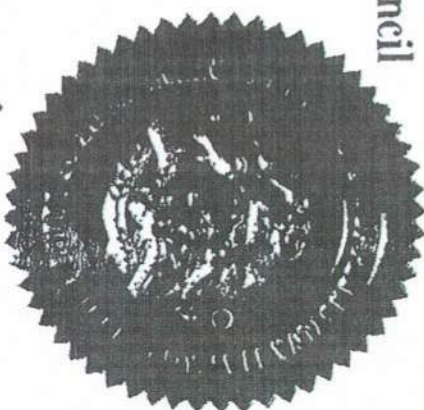
in the following trade(s):
AIR CONDITION MECHANIC
CARPENTER
ELECTRICIAN
PLUMBER/PIPEFITTER
ROOFER
SHEET METAL WORKER
STONE MASON
BRICKLAYER
SPRINKLERFITTER
DRYWALL FINISHER

Name CHAPTER ABC, INC.
SOUTHEAST PENNSYLVANIA

City NORRISTOWN

State PENNSYLVANIA

Date JANUARY 11, 1967



Raymond A. Deane

Secretary, Pennsylvania Apprenticeship and
Training Council
Department of Labor and Industry

Revised: MAY 13, 1993

Commonwealth of Pennsylvania

DEPARTMENT OF LABOR AND INDUSTRY

Certificate of Registration

APPRENTICESHIP STANDARDS

This Certificate Is For

KEYSTONE CHAPTER ABC INC.

Located at

MILFORD, PA.

has registered its apprentice training program under standards approved by the Pennsylvania Apprenticeship and Training Council and the Federal Committee on Apprenticeship, in the following trade(s):
CEMENT MASON, ELECTRICIAN, OPERATING ENGINEER, PAINTER, PIPE FITTER, ROOFER, BRICKLAYER, CARPENTER, PLUMBER.



DECEMBER, 2007

Robert Lucchesi

Secretary, Pennsylvania Apprenticeship and Training Council
Department of Labor and Industry

Commonwealth of Pennsylvania

DEPARTMENT OF LABOR AND INDUSTRY

Certificate of Registration

APPRENTICESHIP STANDARDS

This Certificate That

KEYSTONE CHAPTER ABC INC.

Located at

WILKES-
BARRE, PA.

has registered an apprentice training program

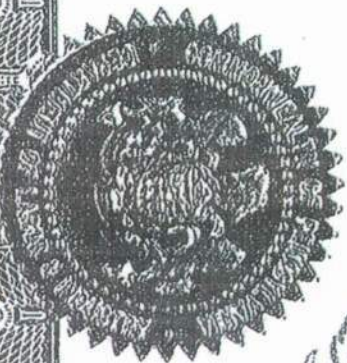
under standards approved by the Pennsylvania Apprenticeship and Training Council and the Federal Committee on Apprenticeship, in the following trade(s): **PLASTERER SHEET METAL WORKER.**

STONEMASON CONSTRUCTION CRAFT LABORER REFRIGERATION MECHANIC.

day of **DECEMBER**, **2007**

A Robert Laats

Secretary, Pennsylvania Apprenticeship and Training Council
Department of Labor and Industry



Commonwealth of Pennsylvania

DEPARTMENT OF LABOR AND INDUSTRY

Certificate of Registration

APPRENTICESHIP STANDARDS

This Certificate That

KEYSTONE CHAPTER ABC INC.

Located at

WILKES-BAHAMA, PA.

has registered an apprentice training program

under standards approved by the Pennsylvania Apprenticeship and Training Council and the Federal Committee on Apprenticeship, in the following trade(s): PLASTERER, SHEET METAL WORKER,

STONEMASON, CONSTRUCTION CRAFT LABORER, REFRIGERATION MECHANIC.



DECEMBER , 2007

A Robert L. Latta

Secretary, Pennsylvania Apprenticeship and Training Council
Department of Labor and Industry

Commonwealth of Pennsylvania

DEPARTMENT OF LABOR AND INDUSTRY

Certificate of Registration

APPRENTICESHIP STANDARDS

This Certificate

KEYSTONE CHAPTER ABC INC.

Located at

MINNIE, PA

has registered an apprentice training program

under standards approved by the Pennsylvania Apprenticeship and Training Council and the Federal

Committee on Apprenticeship, in the following trade(s) BRICKLAYER CARPENTER PLUMBER,

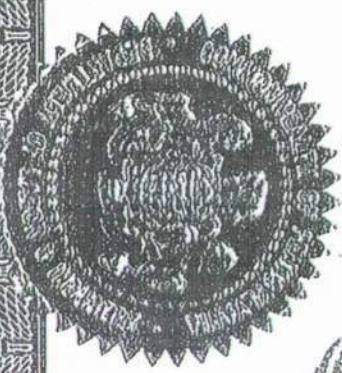
CEMENT MASON, ELECTRICIAN, OPERATING ENGINEER, PAINTER, PIPE FITTER, ROOFER,



DECEMBER, 2007

A Robert L. Smith

Secretary, Pennsylvania Apprenticeship and Training Council
Department of Labor and Industry



Commonwealth of Pennsylvania

DEPARTMENT OF LABOR AND INDUSTRY

Certificate of Registration

APPRENTICESHIP STANDARDS

This Certificate

KEYSTONE CHAPTER ABC INC.

Located at

MENHART, PA

has registered an apprentice training program

under standards approved by the Pennsylvania Apprenticeship and Training Council and the Federal Committee on Apprenticeship, in the following trade(s)

STRUCTURAL STEEL WORKER AND ASSOCIATION WORKER



DECEMBER , 2007



A Robert Lovitt

Secretary, Pennsylvania Apprenticeship and Training Council
Department of Labor and Industry



To whom it may concern:

This letter is to confirm the T. Schiefer currently participates in the ABC Eastern Pa apprenticeship program.

The ABC-EP Apprenticeship Trust's program identification number is PA00667005. The ABC-EP Apprenticeship Trust has been operating continuously as a bona fide, certified Apprenticeship Training Program since 1967, and has graduated students from apprentice to journeyman status since 1971 to the present.

ABC Eastern Pa was previously called the Southeast Pennsylvania chapter before it became the Eastern Pa chapter, based on the fact that the Lehigh Valley and Northeast Pa area were separate from the Southeast Pa chapter, however all regions are now combined into one chapter- known as the Eastern Pa chapter. That is the reasoning why the certificate states Southeast Pa.

ABC Keystone chapter is affiliated with the Eastern Pa chapter. Currently the Eastern Pa has members enrolled in the Heavy Equipment Operators program, which administratively is run through the Keystone chapter, and held at LCTI (Lehigh Carbon Technical Institute).

Amanda Milewski

Executive Vice President/COO



Heavy Equipment Operator

PA Registered Apprenticeship Program



Course Description

The Heavy Equipment Operator Apprenticeship is a three-year program, offered through a partnership with Associated Builders and Contractors (ABC) and Lehigh Career and Technical Institute (LCTI). The ABC-LCTI curriculum is aligned to the National Center for Construction Education and Research (NCCER) providing theory based knowledge and hands-on technical skill instruction. The training portion of the apprenticeship program is delivered in a model to accommodate industry needs and is held at LCTI's Schnecksville, PA campus. The related technical training includes hands-on practice on LCTI's 5-acre training field, utilizing 25 pieces of equipment from various manufacturers. This program will cover safety, maintenance and basic operating procedures and techniques for major types of heavy equipment, and associated site work skills. Apprentices will operate equipment including backhoes, excavators, bulldozers, soil compactors, wheel loaders, track loaders, articulated haulers, skid steer loaders, and trucks and trailers for load/securement of moving equipment. An LCTI Heavy Equipment Operator's certificate, OSHA 10 Hour Safety training document and PennDOT Flagger training document will be awarded to students who successfully complete the program.

Course Topics

Apprentices receive comprehensive training over 3 years. One level per year with instruction consisting of:

Level 1

- Orientation to the Trade
- Identification of Heavy Equipment
- Heavy Equipment Safety
- OSHA Training
- PennDOT Flagger Training
- Introduction to Earthmoving
- Preparing Graded Surfaces
- Skid Steers
- Backhoes
- Compaction Equipment

Level 2

- Excavation Math
- Interpreting Civil Drawings
- Site Work
- On-Road Dump Truck
- Off-Road Dump Trucks
- Loaders

Level 3

- Soils
- Finishing and Grading
- Dozers
- Excavators
- Motor Graders
- Scrapers
- Advanced Operating Techniques
- Load and Securement Training

Length of Program

This three-year program runs between December and March for 4 weeks, Monday-Friday 7:30am to 4pm - one level per year. Please call or email Randy Zimmerman for specific level schedules.

Location

Classes are held at the LCTI, 4500 Education Park Drive, Schnecksville, PA 18078

Registration & Certification

- Upon satisfactory completion of related classroom instruction, graduates receive a certificate of completion issued in partnership with LCTI and ABC Keystone Chapter.
- Upon successfully completing the required on the job training hours and related theory hours, graduates receive journey-person papers from the Pennsylvania Department of Labor & Industry.

Price Breakdown

Tuition per level (LCTI)	\$ 4,700.00
Registration Fee per level (ABC)	\$ 250.00
Total	\$4,950.00

Randy Zimmerman
LCTI Training Coordinator
zimmermann@lcti.org
610-799-1345

Cindy Dewire
Director of Apprenticeship
cindy@abckeystone.org
717-653-8106

Michael Perpiglia
Vice President of
Apprenticeship Development
mperpiglia@abceastpa.org
610-279-6666



Keystone Chapter
Apprenticeship and
Training Trust



2021-2022
PROGRAM INFORMATION SHEET
Heavy Equipment Operations
Certificate Program – 184 Hours



COURSE DESCRIPTION

This hands-on course will cover safety, maintenance and basic operating procedures and techniques for major types of heavy equipment. Students will operate a backhoe/loader, dozer, hydraulic excavator, track loader, rubber tire loader, skid-steer loader and earth compactor. An LCTI Heavy Equipment Operator's certificate, OSHA 10 Hour Safety Training document and Penn DOT Flagger Training document will be awarded to students who successfully complete the 184 hour program.

COURSE OBJECTIVES

Upon completion of the course the student should be able to:

1. Demonstrate safety practices needed in the construction trade and obtain an OSHA 10 hour training document.
2. Demonstrate the procedures related to the operation of various makes and models of heavy equipment in accordance with industry standards.
3. Apply safe operating techniques in a variety of weather and environmental conditions.
4. Demonstrate the fundamental skills and knowledge necessary to obtain employment in the excavation industry as an entry level heavy equipment operator.
5. Exhibit appropriate work ethics that are required in the construction industry.

COURSE TOPICS

The course will cover the following topics:

1. Personal and environmental safety – OSHA Safety Training
2. Equipment operations and maintenance
 - a. Backhoes
 - b. Hydraulic excavators
 - c. Track loaders
 - d. Track dozers
 - e. Skid steer loaders
 - f. Wheel loaders
 - g. Articulated dump truck
 - h. Soil compactor
3. Basic surveying
4. Establishing grades, using transits and laser equipment
5. Reading basic blueprints
6. PennDOT flagger training
7. Erosion and sediment control
8. Basic construction math
9. Securing and hauling equipment
10. Employability skills

Heavy Equipment Operations Continued



COURSE FORMAT

This is a lecture-lab course in which topics are presented by the instructor utilizing handouts, videos, Power Point presentations and hands-on demonstrations. Following instructor lecture and demonstrations, students will be monitored while performing competency based tasks in the lab/field. After completion of 54 hours of classroom theory/ lab time students will perform 130 hours of field training. All field training consists of one student to one piece of equipment.

PREREQUISITES

- Minimum of 18 years of age
- PA State Police Criminal Background Check
- High School Diploma or GED recommended

REQUIREMENTS

- Steel Toe Work Boots
- Heavy Duty Work Gloves
- 25' Tape Measure

For questions, tours or additional information,
please contact:

RANDY ZIMMERMAN
Training Coordinator
610-799-1345 or 1-877-440-7544
zimmermanr@lcti.org

CLASS DATES: Refer to Training Calendar

Class meets Monday – Friday 7:30 AM – 4:00 PM

PRICE BREAKDOWN

Tuition	\$6,750.00
Application Fee	\$100.00 (Non Refundable)
Criminal Background Check	\$22.00

TOTAL COST - Valid until 6/30/2022

\$6,872.00

2022/2023 School Year -Total cost after 7/1/2022

\$7,212.00

Work Boots/Gloves/Tape Measure

\$140.00 (self-purchased, if needed)

FUNDING: LCTI is a Pennsylvania State approved training provider to accept funding from the WIOA/CareerLink, TAA/TRA, Office of Vocational Rehabilitation (OVR), and Veterans GI Bill®. Other methods of payment are cash, personal check, money order, MasterCard, VISA, American Express, Discover, and Diners Club. You can also check to see if you qualify for a personal loan from your bank or credit union. The full amount of tuition and textbooks is due one week prior to the start of class.

Lehigh Career & Technical Institute does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. Inquiries may be directed to LCTI's Title IX and Section 504 coordinator for students at 4500 Education Park Drive, Schnecksville, PA 18078, or 610-799-1357. Inquiries also may be directed to LCTI's compliance officer for personnel at 610-799-1385.

LEHIGH CAREER & TECHNICAL INSTITUTE
Heavy Equipment Operations - Task Performance Evaluation
CIP Code 49.0202



Skill (Task) Rubric	
Description	Grade
Limited / no progress	0
Demonstrates knowledge	1
Performs skill, but not to industry standards	2
Performs skill to industry standards, but requires some supervision	3
Works independently and meets industry standards	4

DATE	NUMBER	TASK	GRADE
	1.00	GENERAL SAFETY	
	1.10	Identify proper clothing and safety equipment	
	1.20	Survey site for potential hazards	
	1.30	Identify potential equipment hazards or need for repairs	
	1.40	Identifies heavy equipment safety features	
	1.50	Identifies location and use of equipment controls	
	1.60	Recognizes and follows standard hand signals	
	1.70	Flagger Training	
	1.80	OSHA 10 Hr Construction Safety Certification	
		General Safety Average	
	2.00	PREVENTATIVE MAINTENANCE	
	2.10	Explain cost and values of maintenance	
	2.20	Identify types and use of various fluids	
	2.30	Perform pre-trip/prestart unit inspection	
	2.40	Lubricate machine	
	2.50	Performs proper startup/shutdown	
	2.60	Knows proper cold weather startup procedures	
	2.70	Completes company daily operators form	
		Preventative Maintenance Average	
	3.00	SURVEY EQUIPMENT	
	3.10	Read and understand construction drawings	
	3.20	Read and understand grade stakes	
	3.30	Set up construction level	
	3.40	Set up laser level	
	3.50	Determine grade/elevation changes	
	3.60	Verify level grade using laser level	
	3.70	Uses tape measure and drawings to establish structure locations	
		Survey Equipment Average	

Student Name: _____ Start Date: _____

Course Title: _____

DATE	NUMBER	TASK	GRADE
	4.00	BACKHOES	
	4.10	Determines capabilities/capacity of backhoe	
	4.20	Surveys work area and set ups for operations	
	4.30	Fills bucket and loads truck	
	4.40	Sets up backhoe for excavation	
	4.50	Excavate straight trench on grade	
	4.60	Demonstrates benching and sloping techniques	
	4.70	Sets pipe/lifts object with backhoe	
	4.80	Prepares backhoe for transport	
		Backhoes Average	
	5.00	EXCAVATOR	
	5.10	Determines capabilities/capacity of excavator	
	5.20	Surveys work area and set ups for truck loading off a stockpile	
	5.30	Loads truck and centers load in truck	
	5.40	Sets up excavator for excavation	
	5.50	Excavate straight trench on grade	
	5.60	Demonstrates benching and sloping techniques	
	5.70	Sets pipe/lifts object with excavations	
	5.80	Prepares excavator for transport	
		Excavator Average	
	6.00	BULLDOZER	
	6.10	Develops grades with bulldozer (Cut, carry, fill)	
	6.20	Create drainage swale	
	6.30	Creates sloped soil stockpile	
	6.40	Operates in confined area	
	6.50	Works safely on slope	
	6.60	Backfills excavation for compaction	
	6.70	Performs finish grading	
		Bulldozer Average	
	7.00	TRACK LOADER	
	7.10	Determines capabilities/capacity of track loader	
	7.20	Surveys work area and set ups for truck loading off a stockpile	
	7.30	Loads truck and centers load in truck	
	7.40	Excavates pond	
	7.50	Stockpile excavated soils forming sloped stockpile technique	
	7.60	Backfills excavation for compaction	
	7.70	Performs finish grading	
	7.80	Prepares track loader for transport	
		Track Loader Average	
	8.00	SKID-STEER LOADER	
	8.10	Determines capabilities/capacity of Skid-steer	
	8.20	Surveys work area and set ups for truck loading off a stockpile	
	8.30	Loads truck and centers load in truck	
	8.40	Creates stockpile	
	8.50	Performs finish grading	
	8.60	Prepares skid-steer for transport	

Skid-Steer Loader Average			GRADE
DATE	NUMBER	TASK	
	9.00	WHEEL LOADER	
	9.10	Determines capabilities/capacity of track loader	
	9.20	Surveys work area and set ups for truck loading off a stockpile	
	9.30	Loads truck and centers load in truck	
	9.40	Constructs a stockpile	
	9.50	Backfills excavation for compaction	
	9.60	Demonstrate load and carry soil	
	9.70	Demonstrate load and carry with forks	
	9.80	Demonstrate backfill with side dump bucket	
	9.90	Demonstrate road techniques	
Wheel Loader Average			
	10.00	ARTICULATED HAULER	
	10.10	Outlines starting & stopping procedures	
	10.20	Moves machine to open area & tests controls	
	10.30	Knows capabilities and limitations of machine	
	10.40	Demonstrates proper transmission usage	
	10.50	Demonstrates proper retarder usage	
	10.60	Demonstrates proper dumping procedures	
	10.70	Demonstrates proper roading techniques	
Articulated Hauler Average			
	11.00	COMPACTOR	
	11.10	Outlines starting & stopping procedures	
	11.20	Moves machine to open area and tests controls	
	11.30	Knows capabilities and limitations of machine	
	11.40	Demonstrates proper machine techniques	
	11.50	Ingersoll - operational techniques	
	11.60	CAT - operational techniques	
Compactor Average			
TOTAL PROGRAM AVERAGE			

Student's End Date: _____ Final Grade: _____

Student (Print Name): _____

(Signature): _____

Instructor (Print Name): _____

(Signature): _____

Level 1 Heavy Equipment Operations

Orientation to the Trade (5 hours)

Provides an overview of heavy equipment terminology, operators, operator responsibilities, career opportunities, and basic principles of safety.

Identification of Heavy Equipment (5 hours)

This module introduces the eleven most used pieces of heavy equipment. Describes the functional operations and uses for each piece of equipment, along with a general description of heavy equipment drive and hydraulic systems.

Heavy Equipment Safety (10 hours)

This module provides a comprehensive overview of safety requirements on job sites with emphasis on OSHA, MSHA, and NIOSH requirements. Presents basic requirements for personal protection, safe equipment operations and maintenance, and HAZCOM.

OSHA Training for the Construction Industry (10 hours)

The OSHA Training Program for Construction Industry provides training on the recognition, avoidance, abatement, and prevention of safety and health hazards in workplaces in the construction industry. The program also provides information regarding workers' rights, employer responsibilities, and how to file a complaint. Through this training, OSHA helps to ensure that workers are more knowledgeable about workplace hazards and their rights.

Penn DOT Flagger Training (4 hours)

This training provides flagging procedures, work zone set-up requirements, and traffic control devices based on information from PennDOT Publication 213—Temporary Traffic Control Guidelines, the Manual on Uniform Traffic Control Devices (MUTCD), and PennDOT Publication 234—Flagging Handbook.

Introduction to Earthmoving (11 hours)

This module provides a broad introduction to the process of planning and executing earth moving activities on various types of construction projects. The use of heavy equipment such as bulldozers, scrapers, excavators, and loaders is explained.

Grades (15 hours)

Introduces the concept of preparing graded surfaces using heavy equipment. Covers identification of construction stakes and interpretation of marks on each type of stake. Describes process for grading slopes.

Skid Steers (40 hours)

Describes the many uses of skid steers and the attachment available for these machines. Covers safety practices, as well as inspection, startup, shutdown, and operation of skid steers.

Backhoes (40 hours)

Identifies and describes the common uses, types, components, instruments, controls, and attachments of backhoes. Safety guidelines, prestart inspection procedures, and preventive maintenance requirements are presented. Basic startup and operation are described, and common work activities associated with backhoes are covered.

Compaction Equipment (20 hours)

Heavy Equipment Apprenticeship Curriculum Outline Levels 1-2-3

Provides training on common types of compaction equipment; the primary instruments, controls, and attachments of a roller; safety guidelines associated with compaction equipment; and prestart inspections, preventive maintenance, and proper operating procedures. Factors involved in work activities associated with a roller are also presented.

Level 2 Heavy Equipment Operations

Excavation Math (17 hours)

Covers basic math skills required for site excavation work. Includes methods and practice in calculating the areas and volumes of various geometric shapes, as well as formulas and methods used to calculate cut and fill requirements on a job.

Interpreting Civil Drawings (20 hours)

Explains how to read site plans to calculate cut and fill requirements. Provides instruction and practice in interpreting both roadway and construction site drawings used for excavation and grading work.

Site Work (20 hours)

Expands on information covered in Level 1 in relation to setting and interpreting grade stakes. Also provides information and instructions on controlling surface water and ground water on a job site, as well as the layout of foundations and laying of pipe.

On-Road Dump Truck (20 hours)

This module covers uses, inspection, startup, shutdown, operator maintenance, and operation of dump trucks used to carry loads on public highways. Includes operation of dump trucks in normal and emergency situations.

Off-Road Dump Trucks (25 hours)

Identifies and describes the common types, uses, and components of off-road dump trucks. Safety guidelines, prestart inspection procedures, and preventive maintenance requirements are presented. Basic startup, driving maneuvers, loading and dumping procedures for off-road dump trucks are covered.

Loaders (58 hours)

Covers the uses of wheel and track loaders, as well as operator maintenance, loader safety, and operating procedures. Includes procedures for using loaders in excavation, grading, and demolition work.

Level 3 Heavy Equipment Operations

Soils (10 hours)

Describes soil classification systems and explains how shrink and swell factors affect equipment selection. Discusses how soil conditions affect equipment performance and explains techniques for working with various types of soils.

Finishing and Grading (25 hours)

Provides training on common types of equipment and instruments used for finish grading, materials and methods used to stabilize soils and control soil erosion, and finishing and grading methods used for various applications.

Heavy Equipment Apprenticeship Curriculum Outline Levels 1-2-3

Dozers (40 hours)

Identifies and describes the common uses, types, and components of dozers. Safety guidelines, prestart inspection procedures, and preventive maintenance requirements are presented. Basic startup and operation are described, and common work activities associated with dozers are covered.

Excavators (40 hours)

Identifies and describes the common types, uses, and components of excavators. Safety guidelines, prestart inspection procedures, and preventive maintenance requirements are presented. Basic startup and operation are described, and common work activities associated with excavators are covered.

Motor Graders (5 hours)

Identifies and describes the common uses and types of motor graders. Safety guidelines, prestart inspection procedures, and preventive maintenance requirements are presented. Basic startup and operation are described, and common work activities associated with motor graders are covered.

Scrapers (5 hours)

Describes the types of scrapers used in site preparation, as well as the safe practices associated with the operation of scrapers. Covers operator inspection and maintenance requirements, along with startup, shutdown, and operating techniques

Advanced Operating Techniques (25 hours)

Expands on equipment operations with additional hands-on training with special attention given to the student's current and future career.

Load and Securement Training (10 hours)

Demonstrate safe procedures for loading and securing heavy equipment. Covers trailer and machine positioning, loading, unloading and chaining.

LEHIGH CAREER & TECHNICAL INSTITUTE
Heavy Equipment Operations - Task Performance Evaluation
CIP Code 49.0202



Skill (Task) Rubric	
Description	Scale
Task assigned: Limited/no progress	0
Task assigned: Demonstrates knowledge	1
Performs skill, but not at industry standards	2
Performs skill at industry standards, but requires some supervision	3
Task mastered: Works independently and meets industry standards	4

Level 1 Heavy Equipment Operations Modules			
DATE	NUMBER	TASK	GRADE
	HEO0100	GENERAL SAFETY	
	HEO0110	Identify proper clothing and safety equipment	
	HEO0120	Survey site for potential hazards	
	HEO0130	Identify potential equipment hazards or need for repairs	
	HEO0140	Identifies heavy equipment safety features	
	HEO0150	Identifies location and use of equipment controls	
	HEO0160	Recognizes and follows standard hand signals	
	HEO0170	Flagger training	
	HEO0180	OSHA 10 Hr. Construction Safety Certification	
		General Safety Average	
	HEO0200	IDENTIFICATION OF HEAVY EQUIPMENT & PREVENTATIVE MAINTENANCE	
	NCC0131	Identify the various types of heavy equipment and their uses	
	NCC0132	Identify the basic parts of each type of equipment and explain the differences in modules of types of equipment	
	HEO0210	Explain cost and values of maintenance	
	HEO0220	Identify types and use of various fluids	
	HEO0230	Perform pre-trip/prestart unit inspection	
	HEO0240	Lubricate machine	
	HEO0250	Performs proper startup/shutdown	
	HEO0260	Knows proper cold weather startup procedures	
	HEO0270	Completes company daily operators form	
		Identification of Heavy Equipment & Preventative Maintenance Average	
		INTRODUCTION TO EARTHMOVING	
	NCC0161	Draw a plan for basic earthmoving operations: clearing and grubbing, constructing embankments, compacting, excavating the foundation, and backfilling	
	NCC0162	Layout a basic earthmoving operation	
	NCC0163	Identify and select the proper equipment for a given earthmoving operation	
		Introduction to Earthmoving Average	

Student Name: _____ Start Date: _____

DATE	NUMBER	TASK	GRADE
		SURVEY EQUIPMENT & GRADES	
	HEO0310	Read and understand construction drawings	
	HEO0320	Read and understand grade stakes	
	HEO0330	Set up construction level	
	HEO0340	Set up laser level	
	HEO0350	Determine grade/elevation changes	
	HEO0360	Verify level grade using laser level	
	HEO0370	Use tape measure and drawings to establish structure locations	
	NCC0171	Identify types of stakes and markings on stakes	
	NCC0172	Check horizontal and vertical distance of cut and fill slope stakes	
	NCC0173	Check finish subgrade on a cross slope	
		Survey Equipment & Grades Average	

		COMPACT TRACK LOADER/SKID-STEER LOADER	
	HEO0810	Determines capabilities/capacities	
	HEO0820	Demonstrates proper roading techniques	
	HEO0830	Demonstrates removing and installing attachments	
	HEO0840	Create stockpile	
	HEO0860	Prepares machine for transport	
	HEO0870	Demonstrates backfilling techniques	
		Skid-Steer Loader Average	

		BACKHOES	
	NCC0331	Demonstrate a prestart inspection of a backhoe	
	NCC0332	Perform proper startup, warm-up, and shutdown of a backhoe	
	HEO0410	Determines capabilities/capacity of a backhoe	
	HEO0420	Surveys work area and set ups for operations	
	HEO0430	Loads a truck with loader portion of machine	
	HEO0440	Sets up backhoe for excavation	
	HEO0450	Excavate a straight trench on grade	
	HEO0460	Demonstrates benching and sloping techniques	
	HEO0470	Loads a truck with the backhoe portion of the machine	
	HEO0480	Prepares backhoe for transport	
		Backhoes Average	

	HEO1100	VIBRATORY SOIL COMPACTOR	
	HEO1110	Outlines starting & stopping procedures	
	HEO1020	Moves machine to open area and tests controls	
	HEO1130	Knows capabilities and limitations of machine	
	HEO1140	Demonstrate proper operating techniques	
		Compactor Average	

Level 2 Heavy Equipment Operations Modules

		EXCAVATION MATH	
	NCC0231	Calculate the volume and weight of a given excavation project	
		Excavation Math Average	

DATE	NUMBER	TASK	GRADE
		INTERPRETING CIVIL DRAWINGS	
	NCC0241	Determine the scale of different drawings	
	NCC0242	Interpret a set of drawings to determine the proper type and sequence of excavation and grading operations needed to prepare the site	
		Interpreting Civil Drawings Average	
		SITE WORK	
	NCC0251	Interpret layout and marking methods to determine grading requirements and operation	
	NCC0252	Set up a level and determine the elevations at three different points, as directed by the instructor	
		Site Work Average	
		ON-ROAD DUMP TRUCK	
	NCC0221	Carry out basic operations with a dump truck: dump a load in a designated spot and tailgate-spread the load, back up with a trailer attached, and perform tailgate adjustments, as applicable	
		On-Road Dump Truck Average	
		OFF-ROAD DUMP TRUCK/HAUL TRUCK	
	HEO1020	Move machine to open area and test controls	
	NCC0341	Complete proper prestart inspection and maintenance for a dump truck	
	NCC0342	Perform the proper startup, warm-up, and shutdown procedures	
	NCC0343	Carry out basic operations with a dump truck: properly position a truck for loading, safely drive the truck to a designated dumping site, dump the load in the designated spot, and set the retarder system to reduce wear on the service brakes	
		Off-Road Dump Truck/Haul Truck Average	
		WHEEL LOADER/Track Loader	
	HEO0910	Determines capabilities/capacity of wheel loader	
	HEO0920	Surveys work area and set ups for truck loading off a stockpile	
	HEO0930	Loads truck and centers load in truck	
	HEO0940	Constructs a stockpile	
	HEO0950	Backfills excavation for compaction	
	HEO0960	Demonstrate load and carry operations	
	HEO0970	Demonstrates attachment changing procedures	
	HEO0990	Demonstrate roading techniques	
		Wheel Loader Average	

Level 3 Heavy Equipment Operations Modules

		SOILS	
	NCC0261	Identify five basic types of soils, and summarize their characteristics	
	NCC0262	Read results from a field density test and explain what additional compaction effort is needed	
	NCC0263	Compute shrinkage and relative compaction for two different types of soils	
		Soils Average	

DATE	NUMBER	TASK	GRADE
		FINISHING AND GRADING	
	NCC0311	Establish a finish grade after a rough grade has been performed, per instructions	
		Finishing and Grading Average	
		BULLDOZER	
	NCC0351	Demonstrate a proper prestart inspection and preventive maintenance on a dozer	
	NCC0352	Perform the proper startup, warm-up, and shutdown procedures	
	NCC0353	Perform basic maneuvers with a dozer including moving forward and backward, turning with the blade up, and straight dozing	
	HEO0610	Develop grades with bulldozer (Cut, carry, fill)	
	HEO0620	Create drainage swale	
	HEO0630	Create sloped soil stockpile	
	HEO0640	Operate in a confined area	
	HEO0650	Work safely on slope	
	HEO0660	Backfill excavation for compaction	
	HEO0680	Demonstrate slot dozing	
	NCC0354	Create a level pad that measures approximately 20 feet by 20 feet $\pm 1/10$ foot (6 meters by 6 meters ± 3 centimeters) Push a stockpile while maintaining proper windrows and berms	
		Bulldozer Average	
		EXCAVATOR	
	NCC0361	Demonstrate a proper prestart inspection and preventive maintenance on an excavator	
	NCC0362	Perform the proper startup, warm-up, and shutdown procedures	
	NCC0363	Perform basic maneuvers with a hydraulic excavator, including moving forward and backward; making a pivot turn, and making a spot turn	
	HEO0510	Determines capabilities/capacity of excavator	
	HEO0530	Load truck and center load in truck	
	HEO0550	Excavate straight trench on grade	
	HEO0560	Demonstrate benching and sloping techniques	
	HEO0580	Prepare excavator for transport	
	NCC0364	Demonstrate basic excavator operation by creating a 10 feet by 10 feet (3 meter by 3 meter) excavation at least 3 feet (1 meter) deep to grade	
		Excavator Average	
	HEO1100	ADVANCED OPERATING TECHNIQUES	
	HEO1110	Identify different flags/markers for underground utilities	
	HEO1120	Perform air and cab filter removal/cleaning and reinstall	
	HEO1130	Explain/demonstrate use of grade stakes	
	HEO1140	Demonstrate use of multipurpose bucket on a backhoe	
	HEO1150	Perform bucket removal and attachment on an excavator	
	HEO1160	Perform tamper plate attachment on an excavator	
	HEO1170	Demonstrate/perform ripping procedure on a dozer	
	HEO1180	Demonstrate track adjustment on compact track loader	
	HEO1190	Discuss compaction techniques for different materials	
		Advanced Operating Techniques Average	

DATE	NUMBER	TASK	GRADE
		LOAD AND SECUREMENT TRAINING	
	LBT1.6	Identifiy the location and use of equipment controls	
	LBT1.7	Identify the various types and uses of trailers	
	LBT1.8	Read and understand legal weights for trucks and trailers	
	LBT2.2	Identify types and uses of various fluids, chains, and binders	
	LBT2.3	Perform pre-trip/prestart unit inspection	
	LBT2.4	Lubricate trailer	
	LBT3.1	Demonstrate proper coupling of trailer technique	
	LBT3.2	Demonstrate separation of trailer from goose neck	
	LBT3.3	Identify importance of trailer positioning on location	
	LBT3.4	Identify importance of machine positioning on trailer	
	LBT3.5	Demonstrate proper machine loading, securement, and unloading	
	LBT3.6	Identify height and weight of trucks and machines for clearances	
	LBT3.7	Demonstrate proper hooking/unhooking of the tag trailer to the pintle hook	
		Load and Securement Training Average	
		TOTAL PROGRAM AVERAGE	

Student's End Date: _____ Final Grade: _____

Student (Print Name): _____

Student (Signature): _____

Instructor (Print Name): _____

Instructor (Signature): _____



Employer Information Packet

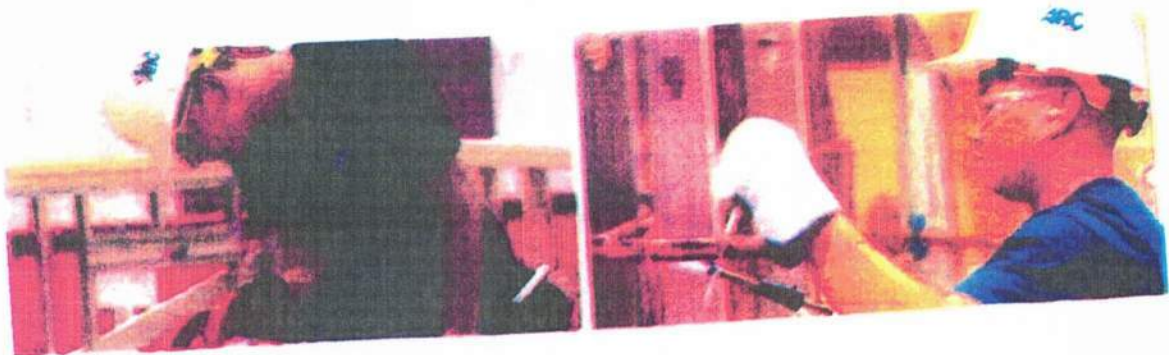
Registered Apprenticeship

Non-Registered Apprenticeship

Craft Training

2022-2023

Revised 04/01/22



Delivering superior apprenticeship and craft training that incorporates safety, craftsmanship, responsibility and stewardship into building the future leaders of America's construction workforce.

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ABC East Norriton Office | (610) 279-6666
ABC Allentown Office and Training Center | (610) 426-0130
ABC Harleysville Training Center | (215) 256-7976

Introduction

Associated Builders and Contractors - Eastern PA Chapter has offered registered apprenticeship and craft training since 1967. Our program is fully registered with the Pennsylvania Apprenticeship and Training Council (PATC), as well as the United States Department of Labor (US DOL).

ABC Eastern PA Chapter Apprenticeship Trust is a 501(c)3 ERISA non-profit organization and all funds used for employee training are tax deductible.

Locations and Contact Information

ABC Harleysville Training Center

1500 Gehman Road, Harleysville, PA. 19438 | Phone: (215) 256-7976

ABC Allentown Office and Training Center

894 Marcon Blvd., Suite 110, Allentown, PA. 18109 | Phone: (610) 426-0130

ABC East Norriton Office

430 West Germantown Pike, East Norriton, PA. 19403 | Phone: (610) 279-6666

ABC, At Lehigh Career and Technical Institute (LCTI)

4500 Education Park, Schnecksville, PA. 18078-2501 | 610-799-1345

ABC Philadelphia Training Center - TBD

2343 East Tucker Street, Philadelphia, PA 19125 | (610) 279-6666

Education Team

Training Records Coordinator

XXXXXX | XXXXXX

Executive Vice President/Chief Training Officer

Michael Perpiglia | mperpiglia@abceastpa.org

Executive Vice President of Finance / Chief Financial Officer

Martha Nagata | mnagata@abceastpa.org

Vice President of Apprenticeship

Jo Ann Bartusik | jbartusik@abceastpa.org

Website

www.abceastpa.org

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ABC Harleysville Training Center | (215) 256-7976

Our Instructors

ABC Eastern PA Instructors are seasoned instructors who have achieved a minimum of Journey-level status. All ABC Instructors are certified through the National Center for Construction Education and Research (NCCER).

Key-Terms | Definitions

Registered Apprentice

A student enrolled in an ABC Trade Program, who is also registered with PATC/DOL (Pennsylvania Apprenticeship Training Council/Department of Labor). A Registered Apprentice must have a sponsoring employer.

Non-Registered Apprentice

A student enrolled in an ABC Trade Program, who is not registered with PATC/DOL (Pennsylvania Apprenticeship Training Council/Department of Labor). For employers who are currently at their journey worker/apprentice ratio limit, having Non-Registered Apprentices creates a continuous flow of students into the Registered Apprenticeship Program. Non-Registered Apprentices can transition to Registered Apprenticeship once current Registered Apprentices graduate to journey worker. Credit for all completed coursework can be applied to the Registered Apprenticeship at that time. OJL hours can also be accumulated and credited upon registration.

Enrollment

Once all student admission documents are received and approved by ABC, and tuition payment arrangements are satisfied, students are considered "enrolled" in the ABC Eastern PA craft training program.

Apprentice Registration with PATC/DOL

Once a student has completed enrollment, and all the necessary documentation for PATC/DOL apprenticeship registration have been received, ABC Eastern PA submits the apprentice information in RAPIDS to the PATC/DOL. The PATC/DOL confirms the student's apprentice registration and authorizes the apprenticeship agreement letter. The PATC/DOL allows 45 days from the date listed on Appendix B to the date the apprenticeship is submitted for Registration with PATC/DOL.

Related Theory Instruction (RTI)

Apprenticeship must complete a minimum of 144 hours of classroom training (RTI) per year. All ABC programs exceed the minimum PATC/DOL hourly requirement.

Any student who has not completed 144 hours of RTI will not have completed the required PATC/DOL minimum hours of RTI. Therefore, any student lacking the minimum class hours will be required to attend additional class(es). A class make-up fee will be charged and invoiced to the employer. This guideline applies even when the absences were work-related.

On-The-Job Learning (OJL)

The time an apprentice spends working for his/her employer engaged in designated Work Process tasks for that trade. Most trades require 2,000 hours per year of OJL. Therefore, a four-year program would require a total of 8,000 hours of OJL; a three-year program requires 6,000 hours of OJL, etc. OJL hours must be reported monthly to keep the apprentice's records current.

Approved Curriculum/Programs

All ABC Eastern PA programs are approved by the PATC/DOL. All curriculum used in our programs have been approved by the U.S DOL & PATC/DOL for delivery of Apprenticeship Education. See the next page for our approved programs.

RAPIDS

The U.S DOL database where each apprentice's required information is entered and stored. Apprentices and employers do not have access to RAPIDS.

Employer Acceptance Agreement – Appendix E

A signed agreement from an employer stating intent to comply with the ABC Eastern PA Standards of Apprenticeship. A separate agreement is required for each trade. PATC/DOL requires an annual update of this information.

Apprenticeship Agreement (671)

A letter of agreement sent from the PATC/DOL to each newly registered apprentice. The apprentice must return a signed copy to ABC Eastern PA admissions office and retain a copy for their records.

Ratios

The state-mandated number of apprentices-to-journey workers that a company can have as determined by the PATC/DOL.

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ABC Harleysville Training Center | (215) 256-7976

Available Trade Programs

The ABC Eastern PA Apprenticeship Trust is certified by the PATC/DOL to offer the following registered apprenticeship craft programs. Not all programs may be currently running, and new programs may be added:

- Carpentry (4 years)
- Construction Craft Laborer (2 years)
- Electrical (4 years)
- Heavy Equipment Operations (3 years – ABC Keystone)
- HVAC (4 years)
- Masonry (3 years)
- Painting (3 years)
- Pipefitting (4 years)
- Plumbing (4 years)
- Roofing (2 years)
- Sheetmetal (4 years)
- Sprinkler Fitting (5 years)

Custom Training Options

ABC Eastern PA custom training is available in many areas and can be designed to fit your scheduling needs. Please contact the ABC Apprenticeship Team for information on your specific training needs. Pricing is based on enrollment and budget requirements.

Credit for Prior Work and Training

Students who are Registered Apprentices with PATC/DOL may be given credit for prior learning and OJL hours within the following parameters:

- **CREDIT FOR OJL HOURS** - The PATC/DOL allows up to 80% credit for documented and applicable OJL hours. They must be documented (payroll records, etc.) and limited to 6,400 for a program requiring 8,000 hours. The limit is enforced regardless of how many actual prior hours an apprentice may have worked.
- **CREDIT FOR PRIOR LEARNING** – Based on documentation provided to us in the form of diplomas, official transcripts, and class descriptions, and at the discretion of the ABC Eastern PA, an apprentice may be given credit for prior training up to two levels of an apprenticeship program. Credit for prior learning has no effect on the requirement for total OJL hours that are required.
- **PLACEMENT TESTING** - Apprentices with extensive prior work experience may attempt to "test-out" by passing a comprehensive exam for that level. Students have the option to test-out a maximum of Levels 1 & 2 of an apprenticeship program. A passing score of 85% or higher must be attained to successfully test-out of each level. The tests must be taken at an ABC Training Center and be proctored by a certified instructor. There is no re-test policy for test-out exams. A fee of \$395 applies for each test-out exam regardless of testing results. The Placement Test fee must be paid with a credit card prior to testing.

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Ratios

As a participant in ABC's Apprenticeship Program, an employer is required to follow the journey worker-to-apprentice ratio set by the PATC/DOL. The chart below shows the guidelines set by this ratio (and continues in units of 5 journey workers).

TOTAL JOURNEY WORKERS	ALLOWABLE APPRENTICES
1	1
5	2
10	3
15	4
20	5

Ratios approved PA Department of Labor April 4, 2022

Please keep in mind that this ratio pertains to the number of journey workers and apprentices on the actual job site. For example, if there are two apprentices working on a job, there should be at least five journey workers supervising the two apprentices.

Apprentice Wage Rates

Apprentices must be paid according to a salary escalator that is prescribed as part of the program. ABC Apprenticeship Programs have been approved by the US DOL and PATC/DOL and begin at 60% of the employer's average journey-worker's salary and have 5% incremental increases for every 1000 hrs. of OJL completed.

PERIOD	TOTAL OF OJL HOURS	% OF JOURNEY WORKER WAGE
1	0 - 1000	60%
2	1000 - 1999	65%
3	2000 - 2999	70%
4	3000 - 3999	75%
5	4000 - 4999	80%
6	5000 - 5999	85%
7	6000 - 6999	90%
8	7000 - 7999	95%
	8000 total	100%

In no case shall any apprentice be paid less than the minimum wage set by the Federal government. However, this does not prohibit the employer from paying above the stated percentages. Also, the apprentice is always paid based on the amount of OJL hours he/she has accumulated, not the level of RTI training completed.

Performance evaluations should be completed for an apprentice before he/she moves to the next apprenticeship level, and before he/she receives the appropriate rate increase. Pay rate increases may be withheld if an apprentice receives a poor performance evaluation; however, intentionally giving a poor review to withhold a rate increase is prohibited.

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On-The-Job Learning (OJL), Tracking Completed Hours

The employer must provide the student's OJL hours monthly by emailing them to ABC on the appropriate Work Process Form for that trade. The company is responsible for verifying OJL hours through payroll records.

Please note: Apprentices who are not logging OJL Hours for extended periods of time, may become inactive and are subject to cancellation from the program. Once an apprentice has been registered, the employer must make every possible effort to assist the apprentice in completing the program.

Apprentices Completing a Program

ABC will submit a completion request to the PATC/DOL when the required RTI and OJL hours are attained for the program. The PATC/DOL allows 45 days from the date the apprenticeship finishes to the date the apprentice is submitted for completion with PATC/DOL.

Apprentices Who Leave Your Company

If an apprentice is terminated, transferred or for any reason leaves your company, employers are required to submit a Status Change form to ABC. The PATC/DOL allows 45 days from the date the apprentice leaves to the date the apprentice is submitted for cancellation with PATC/DOL.

Certifying Employer Participation in A Registered Apprenticeship Program

Upon request, ABC will issue a Certificate of Participation to those employer members who actively contribute to the ERISA Trust.

Distance Learning Program (DLP)

ABC Eastern PA offers Registered Apprenticeship under our Distance Learning Program (DLP). Students study on their own utilizing NCCER curriculum, under the supervision of an ABC Instructor.

- **RTI:** Students must achieve an overall average of at least 70% to be considered complete and able to move on to the next Level.
- **OJL:** Registered Apprentices in the DLP program still need to complete the required OJL hours.
- ABC Instructors will hold scheduled Zoom Review Sessions for each Trade/Level.
- Students are required to come into an ABC Training Center to take proctored module tests once per month.

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Enrollment and Registration Process:

Once you have requested enrollment and registration for an apprentice, you will be provided with the following paperwork to be completed. Some information will need to be completed by the student, while other information will be completed by the employer. All forms must be filled out completely and correctly, including all necessary signatures and dates in order for them to be processed.

All documents must be received before your paperwork will be processed:

STUDENT FORMS:

- All Students – ABC Application for Enrollment
- For Registered Apprentices ONLY - Pennsylvania Apprenticeship Agreement Form – Appendix B
- For any transfer credit requested - Certified/Official copy of transcripts sent to ABC in a sealed envelope

EMPLOYER FORMS: Registered Apprenticeship Only

- Employer Acceptance Agreement for Non-Joint Employers – Appendix E (required to be updated yearly)

Program Maintenance and Compliance

On an annual basis, you will receive an Employer Acceptance Agreement Non-Joint Employers – Appendix E, to update wage, apprentice and journey worker information required for PATC/DOL reports.

If you report a change in employment for an apprentice, you must submit the Apprentice Status Change form to ABC so that we can submit the apprentice to be Cancelled in RAPIDS. The PATC/DOL allows 45 days from the date listed on Appendix B to the date the apprenticeship is submitted for Registration with PATC/DOL.

If an apprentice completes the required RTI and OJL hours for the program, you must submit the Completion Request form to ABC so that we can submit the apprentice for Completion in RAPIDS. The PATC/DOL allows 45 days from the date the apprenticeship finishes to the date the apprentice is submitted for completion with PATC/DOL.

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Pennsylvania CareerLink Incumbent Worker Training (IWT)

For employers who qualify, Career Link's Incumbent Worker Training program is for those workers in the organization that have been employed full-time for a minimum of six months. If first year workers have not been employed for six months, you can enroll 2nd years and up.

The money available for this program starts on Pennsylvania's fiscal year which opens July 1st. You are encouraged to apply early since funds can run out by September.

These programs are for training reimbursement and require an amount of paperwork, strict deadlines, and requirements. For example, there must be proof of pay increases after the training is complete to be reimbursed. Therefore, the apprenticeship lends well to the IWT program since they generally receive pay increases annually as they complete each level of the program.

The IWT program rules and requirements vary by county and the amount of reimbursement varies based on company size. Bucks County Example: Companies employing over 100 get 50% of the training costs reimbursed. For companies with under 100 employees, the reimbursement is 75% of training costs. The training costs are paid directly to the Employers.

The ABC Eastern Chapter Apprenticeship Trust will work with you to provide the documents that must come from the Training Center.

To find out your regulations and reimbursements, reach out to your county's representative as listed on the website <https://www.pacareerlink.pa.gov>

For questions at ABC contact: Martha Nagata mnagata@abceastpa.org

**ABC East Norriton Office | (610) 279-6666
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ABC Harleysville Training Center | (215) 256-7976**

FAQ's About the ABC Apprenticeship Program

When can I register one of my employees as an apprentice?

ABC will publish their Open Enrollment dates each year for new trainees/apprentices. Trainees can become Registered Apprentices during any level or their training as long as the company meets the Ratio requirements.

Must a registered apprentice be actively participating in his/her training to remain active?

Yes. All registered apprentices are required to be active in pursuing the completion of their training. Inactive students will be canceled with a warning from ABC.

What is the process to register an apprentice with PATC/DOL?

Once all the apprenticeship paperwork is completed, signed and received by ABC, we enter the information into RAPIDS for PATC/DOL approval. Once approved by the PATC/DOL, your employee is considered officially registered as an apprentice. Please allow up to 30 days for this approval process to be completed by PATC/DOL.

How many registered apprentices can I have?

Apprentices must be registered in compliance with the standard PATC/DOL ratio. (Please refer to Ratios in this Information Packet.)

Who are my journey-level workers?

Your company's journey-level workers are those workers you decide are fully trained and qualified in their field, and who will be working on job sites to oversee apprentices. They do not need to possess a journeyman's certification or any other formal certification. They must have a journey-level knowledge of their craft.

Can an apprentice be registered into two crafts at the same time?

No. The U.S. DOL and PATC/DOL allow an individual to be registered into one apprenticeship program at a time. An apprentice may register for a second trade after they have completed the first program.

How do I pay an apprentice?

Apprentices must be paid in accordance with escalator that is part of the apprentice agreement (Appendix B & Appendix E).

How do I establish my journey worker's rate for the salary escalator?

You, the employer, determine your journey worker's rate of pay. The apprenticeship law requires you to use an average rate of pay for journey workers at your company.

ABC National Craft Championship

The National Craft Championship is held annually as part of the ABC National Convention. The National Craft Championships invites more than 175 competitors to vie for gold in 15 competitions with skills on display across 12 crafts.

Each competition consists of an online exam, typically based on the Contren® Learning Series curricula developed by the NCCER. The online exam accounts for 25% of the total score.

Held on the second day, competitors are tested on their skills during a six-hour project. This practical performance test accounts for 75% of the total score.

The competition objectives are to demonstrate safety along with craft interdependency and teamwork, simulate working conditions where planning is critical to success, and highlight individual leadership and workmanship skills as the project is assembled and completed.



ABC East Norriton Office | (610) 279-6666
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ABC Harleysville Training Center | (215) 256-7976



Apprenticeship Tuition & Fee Schedule

2021 – 2022

	Member Price	Non-Member Price
ABC On-Site Training	\$3,300	\$4,200
Distance Learning Program	\$1,850	\$2,850
Registration Fee for Cancelled Student	\$350	\$500
Test Out Fee	\$395	\$525
Make-Up Classes	\$250	\$350

Member Company Multi-Student Discounts Training Center Classes Only

Number of Students	% Discount	Standard Tuition	Discount Per Student	Discounted Tuition
1-10	0%	\$3,300	\$0	\$3,300
11-20	10%	\$3,300	\$330	\$2,970
21-50	15%	\$3,300	\$495	\$2,805
50+	25%	\$3,300	\$825	\$2,475

Pre-Pay/Discount – Companies will receive a 3% discount if all tuition is paid by September 30, 2022.

All tuition must be paid to ABC by the company. If the company chooses to have apprentices self-pay their tuition, those payments are between the company and the apprentice.

If a student is withdrawn after enrollment, but before classes begin, ABC will refund the Tuition Fee less non-refundable deposit of \$350 for members and \$500 for non-members.

No refunds are available once classes begin.

ABC East Norriton Office | (610) 279-6866
ABC Allentown Office and Training Center | (610) 426-0130
ABC Harleysville Training Center | (215) 256-7976

Contractor Responsibility Certification

Firm Name: T. Schiefer Contractors, Inc.

Firm Address: 3864 Old Easton Road, Doylestown, PA 18902

Contact Name: Theodore Schiefer, President

Telephone No.: 215-345-1521

Fax No.: 215-345-1799

Email Address: t.schiefer@verizon.net

Project Name: Hallowell Street Reconstruction

Project Number: #PA460213T003

The submitting firm is required to certify compliance with the contractor responsibility standards set forth below by checking appropriate boxes. Specifically, to perform work for the Borough of Conshohocken, submitting firms must answer "Yes" to Questions 1, 2, 8, 9, 10, 11, 12, 13, 14, 15 and 16 and answer "No" to Questions 3 through 7.

- (1) Does the firm have or will it obtain all valid, effective licenses, registrations or certificates required by federal, state, county, or local law, including, but not limited to, licenses, registrations or certificates required to: (a) do business in the designated locale; and (b) perform the contract work it seeks to perform. These shall include, but not be limited to, licenses, registrations or certificates for any type of trade work or specialty work which the firm proposes to self-perform?

Yes No

☒ ☐

- (2) Does the firm meet the bonding requirements for the contract, as required by applicable law or contract specifications and any insurance requirements, as required by applicable law or contract specifications, including general liability insurance, workers compensation insurance and unemployment insurance requirements?

Yes No

☒ ☐

- (3) Has the firm been debarred by any federal, state or local government agency or authority in the past three (3) years?

Yes No

☐ ☒

(4) Has the firm defaulted on any project in the past three (3) years?

Yes No

☐ ☒

(5) Has the firm had any type of business, contracting or trade license, registration, or other certification suspended or revoked in the past three (3) years?

Yes No

☐ ☒

(6) Has the firm or its owners been convicted of any crime relating to the contracting business as determined by a final decision of a court or government agency in the past ten (10) years?

Yes No

☐ ☒

(7) Has the firm, in the past three (3) years, been found by a final decision of a court or government agency in violation of any law applicable to its contracting business, including, but not limited to, licensing laws, tax laws, prompt payment laws, wage and hour laws, prevailing wage laws, environmental laws or others, where the result of such violation was the payment of a fine, back pay damages or any other type of penalty in the amount of \$1,000.00 or more?

Yes No

☐ ☒

(8) Does the firm agree to pay all craft employees that it employs on the project the current wage rates and benefits as required under applicable federal or state wage laws for the duration of the referenced project?

Yes No

☒ ☐

(9) Does the firm agree that all craft labor that will be employed by the firm for the project have completed at least the OSHA ten-hour training course for safety established by the U.S. Department of Labor, Occupational Safety and Health Administration?

Yes No

☒ ☐

(10) Does the firm agree that it will employ craft employees in all classifications and individual trades required to successfully perform the work related to this project?

Yes No

☒ ☐

(11) Has the firm participated in a Class A Apprenticeship Program for the past three years, at a minimum, for each separate trade or classification in which it employs craft employees and agree to continue to participate in such program or programs for the duration of the referenced project?

(A) For purposes of this section, a "Class A Apprenticeship Program" is an apprenticeship program that is currently registered with and approved by the U.S. Department of Labor or a state apprenticeship agency **and has graduated apprentices to journeyperson status for at least three of the past five years.**

(B) If a firm is identified as the lowest responsible bidder or otherwise selected as the prospective awardee or as a subcontractor of an awardee, it shall provide appropriate documentation, as determined by the Borough of Conshohocken, to verify it meets the requirements of this section for each trade or classification of craft workers it will employ on the project. This verification shall be provided prior to performance of work by the firm and the documentation shall clearly indicate which crafts the firm employs and which crafts are covered by the identified apprenticeship programs.

Yes No

☒ ☐

(12) Does the firm have all other technical qualifications and resources, including equipment, personnel and financial resources, to perform the referenced contract, or agree that it will obtain same through the use of qualified, responsible subcontractors?

Yes No

☒ ☐

(13) Does the firm agree that it will maintain all qualifications, resources and capabilities referenced in this certification throughout the duration of the project?

Yes No

☒ ☐

(14) Does the firm agree to notify the Borough of any material changes to any matters attested to in this certification within seven (7) days?

Yes No

☒ ☐

(15) Does the firm understand and agree that, if it is a general contractor, construction manager or other prime contract and it receives a Notice of Intent to Award Contract, it shall provide the Borough of Conshohocken within seven (7) days a Subcontractor List that identifies any subcontractors it will use in connection with the project and furnish Contractor Responsibility Certifications for all identified subcontractors with all required supporting documentation.

Yes No

☒ ☐

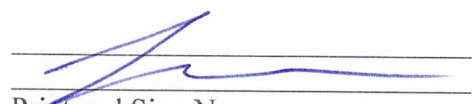
(16) Does the firm understand and agree that this certification must be completed by an authorized representative of the firm that that sufficient knowledge and information to address all matter addressed herein.

Yes No

☒ ☐

In executing this Responsibility Certification, the submitting firm understands and agrees that if the Borough of Conshohocken determines that this certification contains false or misleading material information that was provided knowingly or with reckless disregard for the truth or omits material information knowingly or with reckless disregard of the truth, the firm may be prohibited from performing work for the Borough of Conshohocken for a period of three (3) years. Such circumstances shall also subject the firm to any other penalties and sanctions, including contract termination, available to the Borough of Conshohocken under law. A contract terminated under these circumstances shall further entitle the Borough of Conshohocken to withhold payment of any monies due to the firm as damages.

I certify that the foregoing representations regarding the past performance and present qualifications of the undersigned firm are true and correct.



Print and Sign Name
Theodore Schiefer, President

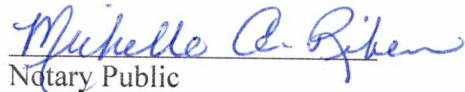
Title
T. Schiefer Contractors, Inc.

Name of Firm

6/12/2026

Date

Subscribed and sworn to
before me this 12th day
of June, 20-26


Notary Public

My Commission Expires: March 19, 2027
Michelle A. Riben, Notary

Commonwealth of Pennsylvania - Notary Seal
MICHELLE A RIBEN - Notary Public
Bucks County
My Commission Expires March 19, 2027
Commission Number 1137040



Manheim Office
135 Shellyland Rd
Manheim, PA 17545
Office: (717) 653-8106
Fax: (717) 653-6431

Nittany Valley Office
898 N. Eagle Valley Rd.
Howard, PA 16841
Harrisburg Office
800 N. 3rd St., Ste. 407
Harrisburg, PA 17102

June 3, 2025

To Whom It May Concern:

This letter is for the purpose of verifying that T. Schiefer Contractors is a current member of Associated Builders, and they actively participate in apprenticeship programs administered through the Keystone Chapter.

The Apprenticeship programs sponsored by the Keystone Chapter of Associated Builders & Contractors are registered and approved by the Pennsylvania Apprenticeship & Training Council. The Keystone Chapter started apprenticeship in 1968 with our first graduating class in 1973.

Keystone Chapter ABC's Operating Engineer program (0365) has had graduates for the last five years, with eight apprentices graduating within the last two weeks.

Please contact me with any questions.

Sincerely,

Cynthia S. DeWire
Director of Apprenticeship
cindy@abckeystone.org



Manheim Office
135 Shellyland Rd.
Manheim, PA 17545
Office: (717) 653-8106
Fax: (717) 653-6431

Nittany Valley Office
898 N. Eagle Valley Rd.
Howard, PA 16841
Harrisburg Office
800 N. 3rd St., Ste. 407
Harrisburg, PA 17102

June 3, 2025

To Whom It May Concern:

This letter is for the purpose of verifying that T. Schiefer Contractors is a current member of Associated Builders, and they actively participate in apprenticeship programs administered through the Keystone Chapter.

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Keystone Chapter ABC's Construction Craft Laborer program (00661) has had graduates for the last five years, with eight apprentices graduating within the last two weeks.

Please contact me with any questions.

Sincerely,

Cynthia S. DeWire
Director of Apprenticeship
cindy@abckeystone.org



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June 3, 2025

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Keystone Chapter ABC's Bricklayer program (0052) has had graduates for the last five years, with eight apprentices graduating within the last two weeks.

Please contact me with any questions.

Sincerely,

Cynthia S. DeWire
Director of Apprenticeship
cindy@abckeystone.org

Contractor Responsibility Certification

Firm Name: Zone Striping, Inc.

Firm Address: P.O. Box 568, Glassboro, NJ 08028

Contact Name: Paul R. Mitchell, Jr.

Telephone No.: 856-582-5900

Fax No.: 856-863-2183

Email Address: p.mitchell@zonestriping.com

Project Name: Hallowell Street Reconstruction, Conshocken Borough

Project Number: N/A

The submitting firm is required to certify compliance with the contractor responsibility standards set forth below by checking appropriate boxes. Specifically, to perform work for the Borough of Conshohocken, submitting firms must answer "Yes" to Questions 1, 2, 8, 9, 10, 11, 12, 13, 14, 15 and 16 and answer "No" to Questions 3 through 7.

- (1) Does the firm have or will it obtain all valid, effective licenses, registrations or certificates required by federal, state, county, or local law, including, but not limited to, licenses, registrations or certificates required to: (a) do business in the designated locale; and (b) perform the contract work it seeks to perform. These shall include, but not be limited to, licenses, registrations or certificates for any type of trade work or specialty work which the firm proposes to self-perform?

Yes No

☒ ☐

- (2) Does the firm meet the bonding requirements for the contract, as required by applicable law or contract specifications and any insurance requirements, as required by applicable law or contract specifications, including general liability insurance, workers compensation insurance and unemployment insurance requirements?

Yes No

☒ ☐

- (3) Has the firm been debarred by any federal, state or local government agency or authority in the past three (3) years?

Yes No

☐ ☒

(4) Has the firm defaulted on any project in the past three (3) years?

Yes No
☐ ☒

(5) Has the firm had any type of business, contracting or trade license, registration, or other certification suspended or revoked in the past three (3) years?

Yes No
☐ ☒

(6) Has the firm or its owners been convicted of any crime relating to the contracting business as determined by a final decision of a court or government agency in the past ten (10) years?

Yes No
☐ ☒

(7) Has the firm, in the past three (3) years, been found by a final decision of a court or government agency in violation of any law applicable to its contracting business, including, but not limited to, licensing laws, tax laws, prompt payment laws, wage and hour laws, prevailing wage laws, environmental laws or others, where the result of such violation was the payment of a fine, back pay damages or any other type of penalty in the amount of \$1,000.00 or more?

Yes No
☐ ☒

(8) Does the firm agree to pay all craft employees that it employs on the project the current wage rates and benefits as required under applicable federal or state wage laws for the duration of the referenced project?

Yes No
☒ ☐

(9) Does the firm agree that all craft labor that will be employed by the firm for the project have completed at least the OSHA ten-hour training course for safety established by the U.S. Department of Labor, Occupational Safety and Health Administration?

Yes No
☒ ☐

(10) Does the firm agree that it will employ craft employees in all classifications and individual trades required to successfully perform the work related to this project?

Yes No

☒ ☐

(11) Has the firm participated in a Class A Apprenticeship Program for the past three years, at a minimum, for each separate trade or classification in which it employs craft employees and agree to continue to participate in such program or programs for the duration of the referenced project?

(A) For purposes of this section, a "Class A Apprenticeship Program" is an apprenticeship program that is currently registered with and approved by the U.S. Department of Labor or a state apprenticeship agency **and has graduated apprentices to journeyman status for at least three of the past five years.**

(B) If a firm is identified as the lowest responsible bidder or otherwise selected as the prospective awardee or as a subcontractor of an awardee, it shall provide appropriate documentation, as determined by the Borough of Conshohocken, to verify it meets the requirements of this section for each trade or classification of craft workers it will employ on the project. This verification shall be provided prior to performance of work by the firm and the documentation shall clearly indicate which crafts the firm employs and which crafts are covered by the identified apprenticeship programs.

Yes No

☒ ☐

(12) Does the firm have all other technical qualifications and resources, including equipment, personnel and financial resources, to perform the referenced contract, or agree that it will obtain same through the use of qualified, responsible subcontractors?

Yes No

☒ ☐

(13) Does the firm agree that it will maintain all qualifications, resources and capabilities referenced in this certification throughout the duration of the project?

Yes No

☒ ☐

(14) Does the firm agree to notify the Borough of any material changes to any matters attested to in this certification within seven (7) days?

Yes No

☒ ☐

(15) Does the firm understand and agree that, if it is a general contractor, construction manager or other prime contract and it receives a Notice of Intent to Award Contract, it shall provide the Borough of Conshohocken within seven (7) days a Subcontractor List that identifies any subcontractors it will use in connection with the project and furnish Contractor Responsibility Certifications for all identified subcontractors with all required supporting documentation.

Yes No

☒ ☐

(16) Does the firm understand and agree that this certification must be completed by an authorized representative of the firm that that sufficient knowledge and information to address all matter addressed herein.

Yes No

☒ ☐

In executing this Responsibility Certification, the submitting firm understands and agrees that if the Borough of Conshohocken determines that this certification contains false or misleading material information that was provided knowingly or with reckless disregard for the truth or omits material information knowingly or with reckless disregard of the truth, the firm may be prohibited from performing work for the Borough of Conshohocken for a period of three (3) years. Such circumstances shall also subject the firm to any other penalties and sanctions, including contract termination, available to the Borough of Conshohocken under law. A contract terminated under these circumstances shall further entitle the Borough of Conshohocken to withhold payment of any monies due to the firm as damages.

I certify that the foregoing representations regarding the past performance and present qualifications of the undersigned firm are true and correct.

Paul R. Mitchell, Jr.

Print and Sign Name

President

Title

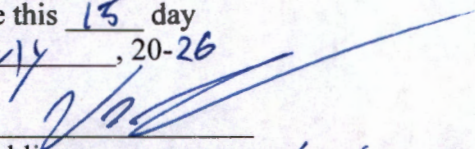
Zone Striping, Inc.

Name of Firm

July 14, 2026

Date

Subscribed and sworn to
before me this 15 day
of July, 20-26

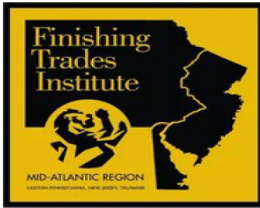


Notary Public

My Commission Expires: 4/26/31



VERNON L. LEEDS III
NOTARY PUBLIC
State of New Jersey
ID # 50036865
My Commission Expires 04/26/2031



THE FINISHING TRADES INSTITUTE

OF THE MID ATLANTIC REGION

THE OFFICIAL TRAINING PROVIDER OF DC 21

2190 Hornig Road, Philadelphia, Pa 19116
Office: 215-501-0130 ~ Fax: 215-501-0138
www.FTI.edu

June 16, 2026

Zone Striping Inc.,
718 Jacob Harris Lane
P.O. Box 568
Glassboro, NJ 08028

RE: Finishing Trades Institute of the Mid-Atlantic Region (FTI-MAR) Apprenticeship Program
PA007460001 & NJ003660002

To Whom It May Concern:

Please accept this letter as verification that Zone Striping Inc., is in good standing with IUPAT District Council 21 and its official training provider the FTI-MAR. The FTI-MAR is a class (A) Apprenticeship Program registered with the Department of Labor in the states of New Jersey, Pennsylvania and Delaware.

In addition, the following apprenticeship programs have graduated apprentices to journey-person status in three (3) of the last five (5) years:

- Drywall Finisher (0561HY)
- Glazier (0221HY),
- Painter, Industrial Coating and Lining Applicator Specialist (2009HY)
- Painter-Decorator (0379HY)
- Pavement Striper (1042HY)

Please let me know if you have any questions.

Sincerely,

James F Hyland – Director of Training
jim@fti.edu
215-605-9745