

**PSPE PHILADELPHIA CHAPTER  
OUTSTANDING ENGINEERING ACHIEVEMENT AWARD NOMINATION FORM – 2022/2023**

**Project Information:**

Name of Project:

SEPTA Elwyn to Wawa Rail Service Restoration

Location of Project:

Middletown Township and Chester Heights Borough in Delaware County, Pennsylvania

Description of Project, Include specific details (use two additional pages if necessary):

The SEPTA Elwyn to Wawa Rail Service Restoration Project restored revenue train service between the former end-of-line Elwyn Station to a newly constructed Wawa Station at US Route 1 (Baltimore Pike). See attached sheet.

Construction Cost: \$161,000,000 Completion Date: 8 / 21 / 22 Project or component must be complete in 2022

Primary Engineering Disciplines Represented by the Project (check those that apply):

Mechanical ; Electrical ; Civil ; Structural ; Chemical \_\_\_\_\_

Organizations/Firms That Contributed to the Project and are Responsible for the Achievement (provide additional sheets as required):

Names: Please see attached sheets Phone: \_\_\_\_\_

Address: \_\_\_\_\_ Email: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_

Client/Owner:


Names: Southeastern Pennsylvania Transportation Authority Phone: 215-580-8265

Address: 1234 Market Street, Phila, PA 19107 Email: KOConnor@septa.org

Contact Person: Kate O'Connor, PE Title: Chief Engineer

Submitted by:

Firm/Organization: Southeastern Pennsylvania Transportation Authority Phone: 215-580-3769

Signature:  Email: LNardone@septa.org

To be Presented on December 5th by: Len Nardone & Sean McMahon

Email LNardone@septa.org Cell Phone: 215-964-4622

A \$50 Entry Fee is required and is to be submitted with the Nomination Form.

The entry fee is to be made payable to PSPE, Philadelphia Chapter.

Nomination is due: November 17, 2022 Presentations: Thursday, December 1, 2022

Send by Email or Fax Nomination to: [oea@pspe-philly.org](mailto:oea@pspe-philly.org) or 215-885-3732

Payment of the Application Fee may be check or by credit card.

To pay by credit card, click to [PAYPAL BUYNOW](#) button on our website <http://www.pspe-philly.org/oea/entryfee.htm>

To pay by check please mail to:

Fredric L. Plotnick, Ph.D., Esq., P.E. Chairman, Outstanding Engineering Achievement Awards  
261 Old York Road #732, Jenkintown, PA 19046 Phone: 215-885-3733, Fax: 215-885-3732,  
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## **SEPTA Elwyn to Wawa Rail Service Restoration Project**

The SEPTA Elwyn to Wawa Rail Service Restoration Project restored revenue train service between the previous end-of-line at Elwyn Station to the newly constructed Wawa Station at US Route 1 (Baltimore Pike). The project extends SEPTA Regional Rail service on what was previously called the Media/Elwyn Regional Rail Line, which was renamed the Media/Wawa Line when revenue service began. The project limits are located within Middletown Township and Chester Heights Borough in Delaware County, Pennsylvania.

In the 1980s, revenue rail service on the line was suspended beyond Elwyn Station, eliminating existing train stops at Williamson School, Glen Riddle, Lenni Station, Wawa and points west. Although SEPTA retained the railroad right-of-way and occasionally used the track beyond Elwyn Station for storage or maintenance cars, the track infrastructure fell into disrepair due to years of disuse.

In the mid-2000s SEPTA embarked on an ambitious plan to design and reconstruct the rail between Elwyn Station and a new station located at Route 1 for return to revenue service. The design and construction were broken down into three distinct phases: R3-1, R3-2 and R3-3.

Package R3-1 was largely completed between Glen Riddle and Lenni Roads and included drainage improvements and upgrade, embankment stabilization, new retaining walls and repair and replacement of catenary structures.

Contract R3-2 work package included rehabilitation and replacement of 3.5 miles of track and track bed, repair and replacement of catenary foundations and structures, installation of new catenary and signal systems including extending positive train control (PTC), brush cutting and ditching, stormwater management, replacement of four (4) under-grade bridges including the bridge over US 1, repair and construction of five (5) culverts, restoration of the Lenni Road highway grade crossing, and construction a new railroad storage yard at Lenni.

Finally, Contract package R3-3 work included the construction of the Wawa Station complex including a station building with restroom facilities, new ADA-accessible high-level island platform with a pedestrian tunnel and ramp connecting the station and platform, a 600-vehicle parking deck, a signalized access road connecting to US 1 and facilities for connecting SEPTA bus service and corporate shuttles. R3-3 also included the construction of a crew welfare building and employee parking at Lenni Road.

| Company/Contractor | Name                | Address  | Number       | Email                          |
|--------------------|---------------------|--|--------------|--------------------------------|
| AECOM              | Joe Tursi           | 1700 Market, 1700 Market St Suite 1600, Philadelphia, PA 19103 | 215-399-4374 | Joe.Tursi@aecom.com            |
|                    | Neal Patel          |  | 215-789-2129 | Neal.Patel@aecom.com           |
| Burns              | Henry Mercaldo      | 2001 Market St #600, Philadelphia, PA 19103                    | 215-979-7804 | HMercaldo@burns-group.com      |
| THA                | Hu Young Kim        | 550 Township Line Road, Suite 100, Blue Bell, PA 19422         | 717.439.0503 | hkim@tha-consulting.com        |
| Micheal Baker      | Anthony Fitzpatrick | 1818 Market St # 3110, Philadelphia, PA 19103                  | 731-631-3344 | AFitzpatrick@septa.org         |
|                    | Chris Heim          |  | 215-350-9378 | CHeim@septa.org                |
| Urban              | Pete Seymour        | 530 Walnut St, Philadelphia, PA 19106                          |              | PSeymour@septa.org             |
|                    | Youssef Youssef     |  | 267-574-2317 | YYoussef@septa.org             |
|                    | Tom Chung           |  |              | tchung@septa.org               |
| Walsh              | Andrew Saunders     | 300 S Pennell Road, Suite 610 Media, PA 19063                  | 203-627-2254 | ASaunders@walshgroup.com       |
|                    | Brian Neckermann    |  | 312-735-9320 | BNeckermann@walshgroup.com     |
| Lima               | Jack Morrissey      | 9050 State Rd., Philadelphia, PA 19136                         | 215-718-5033 | JMorrissey@limacompany.net     |
| Wescott            | Joe McColgan        | 193 Lenni Rd # 2, Aston, PA 19014                              | 610-637-5817 | J.Mccolgan@wescottelectric.com |
|                    | Jason Marino        |  | 484-374-3933 | J.Marino@wescottelectric.com   |