

TOWNSHIP OF LOWER MACUNGIE
Lehigh County, Pennsylvania

Resolution No. 2022-54
(Duly Adopted August 18, 2022)

**A RESOLUTION OF THE BOARD OF COMMISSIONERS
OF LOWER MACUNGIE TOWNSHIP, LEHIGH COUNTY
APPROVING AGREEMENT WITH SIGNAL SERVICE, INC.**

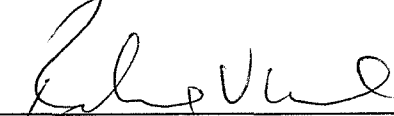
WHEREAS, Signal Service, Inc. provides maintenance and repair services to traffic signals in the Township and elsewhere; and

WHEREAS, the Township wants to enter into a two-year service and maintenance agreement with Signal Service, Inc., a copy of which is attached hereto as Exhibit A, to maintain and repair the Township's equipment, including providing emergency repair services.

NOW THEREFORE, BE IT RESOLVED, that the Township Manager is authorized to enter into that certain Traffic Signal Maintenance Contract, dated effective September 1, 2022, and attached hereto as Exhibit A, with Signal Service, Inc.; and

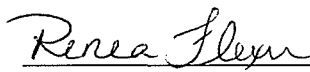
RESOLVED, at a duly convened meeting of the Board of Commissioners of Lower Macungie Township conducted on this 18th day of August, 2022.

**LOWER MACUNGIE TOWNSHIP
BOARD OF COMMISSIONERS**



Richard V. Ward, Vice President

ATTEST:



Renea Flexer, Secretary



Lower Macungie Township

3400 Brookside Road

Macungie, PA 18062

TRAFFIC SIGNAL MAINTENANCE CONTRACT

This package contains a complete proposal for the maintenance of your traffic signal systems. By subscribing to this contract, you will be ensured prompt service and enjoy a 30% reduction from our normal billing rates. This package is presented to you by SIGNAL SERVICE, INC. We are committed to customer satisfaction and service.

Our maintenance is performed by IMSA (International Municipal Signal Association) certified technicians and electricians who are on call 24 hours a day. We carry a complete stock of replacement parts, along with controllers, signals and mast arms. We have the equipment and personnel available to construct a full-computerized system or change a light bulb. We have an in-house electrical engineer and draftsman. All in all, we have a combined total of over 300 years of experience in the traffic signal field.

We are looking forward to working with our customers in an effort to improve the flow of traffic, increase safety and control maintenance costs. This is our goal.

It is our intent to maintain your signals in accordance with the PennDOT permit and Publication #191 entitled "Guidelines for the Maintenance of Traffic Signal Systems". We intend to identify costly recurrent problems, offer cost-effective solutions, and guarantee our work.

We want to be a part of the community and provide the level of workmanship and products that you expect.

SIGNAL SERVICE, INC.

TRAFFIC SIGNAL MAINTENANCE CONTRACT

The undersigned agree to be bound by this contract for the performance of maintenance of the traffic signal(s) as described.

LOCATIONS

Refer to Exhibit A.

PARTIES

The maintenance contractor refers to Signal Service, Inc., the only contractor authorized by this agreement to perform maintenance on the traffic signal system(s) in the municipality. The municipality refers to Lower Macungie Township.

TERM

The term of this agreement is (2) years, commencing September 1, 2022, but may be extended for additional two-year periods based upon the mutual consent of both parties.

This Agreement can be terminated by Customer on sixty-day notice without cause. In addition, either party may terminate for breach by the other party upon thirty-days days written notice with a right to cure. If the breach is not cured within the thirty-day notice period, this Agreement shall automatically terminate. Notwithstanding the foregoing, in the case of public safety or emergency, Customer may terminate this Agreement upon 48 hours notice.

CONTRACT AMOUNT

The yearly contract amount is \$11,075.00 billable and due upon completion of preventive maintenance.. This price does not include any local taxes or permits. Should local taxes or permits be applicable, the municipality will be billed an additional sum for those taxes plus handling charges of ten percent. Refer to Exhibit A for individual location amounts.

DUTIES OF THE MAINTENANCE CONTRACTOR

A. PREVENTIVE MAINTENANCE

Perform annual preventive maintenance at the beginning of each contract year, including:

1. Perform preventive maintenance per Exhibit B.
2. Inspection for proper installation.
3. Inspection to ensure the conformance of the installation to the PennDOT permit and condition diagram.
4. Advise the municipality of the results of the inspections and recommend any corrective action needed.

B. RESPONSE MAINTENANCE

Perform response maintenance when requested as follows:

1. Respond in a timely manner (Emergency service within 4 hours).
2. Perform the work in a safe and accurate manner.
3. Bill the municipality for material at the current contract price; bill labor and equipment at rates shown in Exhibit C.

DUTIES OF THE MUNICIPALITY

1. Notify Signal Service, Inc. of any malfunction or problems at the intersections immediately.
2. Advise the maintenance contractor of any changes in the condition diagram.
3. Maintain the installation in proper operating condition and in conformance with the PennDOT permit and the condition diagram.
4. Pay the contractor in a prompt manner with no payment being contingent upon third party claims.

EXISTING WARRANTIES AND GUARANTEES

No known warranties or guarantees exist.

SIGNAL SERVICE WARRANTIES AND GUARANTEES

Equipment installed carries the guarantee, if any, of the manufacturer.

Signal Service warrants its workmanship for a period of one year.

Loop Detector replacement is guaranteed for a period of two years as long as loop failure is not a result of pavement failure.

While the parties realize that intermittent problems on solid state equipment may be difficult to diagnose, Signal Service, Inc.'s billing will be governed the following criteria:

1. Customer will be billed for the initial call.
2. Customer will not be billed for subsequent calls for the same problem if it was not resolved on previous call(s).
3. If the problem is resolved and has required additional material or labor beyond the initial call, the customer will be billed for these additional amounts.
4. If the problem persists and Signal Service is unable to resolve it, Signal Service, Inc. will notify the municipality and recommend replacement. If this recommendation is not acted upon by the municipality within 10 days, all future calls will be billed to the municipality at normal billing rates.

TRAFFIC SIGNAL MAINTENANCE CONTRACT--Exhibit A

Lower Macungie Township

INTERSECTIONS	AMOUNT
1. Brookside and Lower Macungie Road	\$375.00
2. Brookside Road and East Texas Road	\$375.00
3. Brookside Road and Buckeye Road	\$375.00
4. Brookside Road and Sauerkraut Lane	\$375.00
5. Cedar Crest Blvd. and Riverbend Road	\$375.00
6. Cedar Crest Blvd. and Lower Macungie Road	\$375.00
7. Hamilton Blvd. and Minesite Road and Schantz Road	\$375.00
8. Hamilton Blvd. and I-78 Ramps	\$375.00
9. Hamilton Blvd. and Kressler	\$375.00
10. Hamilton Blvd. and Brookside	\$375.00
11. Hamilton Blvd. and Krocks Court (new)	\$375.00
12. Hamilton Blvd. and Krocks Road (old)	\$375.00
13. Hamilton and Shepherd / Home Depot	\$375.00
14. Hamilton and Millcreek	\$375.00
15. Lower Macungie Road and Church Lane	\$375.00
16. Lower Macungie Road and Mill Creek Road	\$375.00
17. Lower Macungie Road and School Driveway & Chadwick Lane	\$375.00
18. Lower Macungie Road and Krocks Road & Private Driveways	\$375.00
19. Lower Macungie and East Texas	\$375.00
20. Lower Macungie Road and Daytimers Driveway	\$375.00
21. Lower Macungie Road and Wild Cherry	\$375.00
22. N. Krocks and Hamilton Crossings	\$375.00
23. Route 100 and Alburtis Road	\$375.00
24. Route 100 and Sauerkraut Lane	\$375.00
25. Route 100 and Spring Creek Road	\$375.00
26. Route 100 and Willow Lane	\$375.00
27. Spring Creek Road and Trexlertown Road/TWP. Stockpile Drive	\$375.00
28. SR222 By-Pass and Krocks Rd. (relocated)	\$375.00
29. SR222 By-Pass and Cedarbrook / Kressler	\$375.00
FLASHERS	AMOUNT
1. Brookside School (2)	\$50.00
2. Eyer Elementary School on Buckeye Road (2)	\$50.00
3. Willow School – Willow Lane & Mill Creek (4)	\$100.00
TOTAL AMOUNT	\$11,075.00

TRAFFIC SIGNAL MAINTENANCE CONTRACT-Exhibit B

Annual Preventive Maintenance Summary

MECHANICAL

Cabinet

- oil hinges and lock
- replace filter
- check weatherproof seal (gasket)
- check anchor bolts
- check for gas, water accumulation, duct sealant
- check ground rod clamp
- wiring schematics and report available and signed
- check operation of fan and heater

Signal Heads

- check alignment
- clean lenses

Mast Arms and Poles

- inspect for rust and spot paint as required
- inspect the joints for rust and cracks at (1) arm/upright location and (2) base plate
- inspect anchor bolts for rust and tightness
- inspect horizontal and vertical angle of the arm

Span Wire and Poles

- refer to applicable pole section
- check span wire
- check clamps, hardware
- check guy wire and the anchor

Push Buttons

- check push button on each end of actuated crosswalks and visually verify pedestrian signal operation; verify timing
- check push button lamp (if existing) for operation
- check push buttons signs and clean if necessary
- check push button sign alignment

Detector Sensors

- make a visual inspection of the roadway along the saw cut for exposed wires, cracks, potholes, etc.
- check alignment for sonic, magnetic and radar-type detectors
- clean lenses on video detectors

TRAFFIC SIGNAL MAINTENANCE CONTRACT-Exhibit B

Annual Preventive Maintenance Summary

UNDERGROUND

Junction boxes and hand holes

- check the integrity of the splices
- check ground rod and clamp connection, check bonding of conduits
- check the insulation
- check for abnormal amount of water
- check lid for abnormal condition and fit

ELECTRICAL

- check radio interference filter and lightning arrestor

ELECTROMECHANICAL CONTROL EQUIPMENT

Relays

- check for burned and pitted contacts and service contacts per manufacturer's maintenance recommendations
- check for tight and secure fit into the sockets
- if latch type relays, check for latch operation as per manufacturer's specification

Flashers

- check flash rate
- check operation
- service contacts per manufacturer's recommendations
- check for tight and secure fit into sockets

Switches

- verify operation of each switch position

Terminal Connections

- check visually for signs of corrosion or any abnormal condition
- tighten all terminal connections

TRAFFIC SIGNAL MAINTENANCE CONTRACT-Exhibit B

Annual Preventive Maintenance Summary

ELECTRICAL (Continued)

SOLID STATE, ANALOG AND MICROPROCESSOR-BASED CONTROL EQUIPMENT

- check time settings against master time sheet
- check indicator lamps on modules; replace if required
- check for extension by detector actuation
- check tightness and security of modules to frame
- check tightness and security of connector

Load Switches

- check tightness and security of load switch packs to chassis

Conflict Monitor

- test conflict monitor with a computerized test set IAW PennDOT standards. A copy of the test results will be kept on file at Signal Service, Inc.

Auxiliary Logic

- ensure that points of connection are making good contact
- if electromechanical device, check for any wear; if contacts are used, clean as required per manufacturer's recommendations

Detector Amplifiers

- check for detection of vehicles within design zone
- perform any necessary tuning
- check tightness and security of connections

INTERCONNECTED EQUIPMENT

- check for controller operation in mode selected by the supervisory master
- disconnect from the master supervisory system and check for "free" or backup operation
- check operation of any special equipment per manufacturer's recommendations

GENERAL

- record changes in timing, wiring or any function

TRAFFIC SIGNAL MAINTENANCE CONTRACT--Exhibit C

Labor Rate Schedule (per hour)

	Regular	Overtime
Signal Technician / Electrician	\$ 65.00	\$97.50
Signal Mechanic	45.00	67.50
Equipment Operator	65.00	97.50
Foreman	85.00	127.50
Electrical Engineer	100.00	150.00

Equipment Rate Schedule (per hour)

	Rates
Service Vehicle / Bucket Truck Mobile Signal Shop	45.00
45' Bucket Truck	55.00
Crane/Ladder Truck	65.00
Auger Truck	60.00
Dump Truck--7 cu. yd.	40.00
Dump Truck--2 cu. yd.	35.00
Backhoe	50.00
Compressor with accessories	25.00
Earth Trencher	30.00
Wheel Trencher	125.00

1. Typical hourly service charge would include a technician @ \$65.00 and a service vehicle @ \$45.00 or \$110.00/hour total.
2. Signal Service, Inc. will provide a quotation if specifically requested by the municipality.
3. Regular rates apply Monday through Friday 8:00 am to 4:00 p.m. Overtime rates apply Monday through Friday 4:00 p.m. to 8:00 am. Overtime rates apply on weekends and holidays regardless of time of call.
4. Minimum Service charge will be (1) hour. Minimum call-out charge will be (3) hours.

TRAFFIC SIGNAL MAINTENANCE CONTRACT--Exhibit D

SERVICE TYPE	INTERSECTION TYPE		
	Critical	Intermediate	Minor
EMERGENCY - PHYSICAL			
Knockdown	4 hrs.	4 hrs.	4 hrs.
Signal Hanging	4 hrs.	4 hrs.	4 hrs.
Wires Hanging	4 hrs.	4 hrs.	4 hrs.
Electrical Hazard	4 hrs.	4 hrs.	4 hrs.
Other	4 hrs.	4 hrs.	4 hrs.
EMERGENCY - SAFETY			
Conflict	4 hrs.	4 hrs.	4 hrs.
On Flash	4 hrs.	4 hrs.	24 hrs.
Head twisted / Conflicting Indications	4 hrs.	4 hrs.	4 hrs.
Intersection Dark	4 hrs.	4 hrs.	4 hrs.
Opticom Malfunction	4 hrs.	4 hrs.	24 hrs.
Stuck	4 hrs.	4 hrs.	24 hrs.
Serious Timing Deficiency	4 hrs.	4 hrs.	24 hrs.
Other	4 hrs.	4 hrs.	24 hrs.
NON-EMERGENCY RESPONSE			
Bulb Out	72 hrs.	72 hrs.	72 hrs.
Loop Malfunction	48 hrs.	48 hrs.	48 hrs.
Out of Synchronization	24 hrs.	24 hrs.	48 hrs.
Head Twisted / Not Conflicting Indications	24 hrs.	24 hrs.	48 hrs.
Other	24 hrs.	24 hrs.	48 hrs.
NON-EMERGENCY - SCHEDULE			
Preventive Maintenance	Schedule	Schedule	Schedule
Relamping DOES NOT APPLY TO THIS CONTRACT	Schedule	Schedule	Schedule
Modifications	Schedule	Schedule	Schedule
Other	Schedule	Schedule	Schedule

TRAFFIC SIGNAL MAINTENANCE CONTRACT

ACCEPTANCE AGREEMENT

In consideration of the mutual covenants, promises and agreements contained in the maintenance contract dated September 1, 2022 between the two parties referred to as Signal Service, Inc. and Lower Macungie Township, the parties, hereto, intend to be legally bound.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement effective September 1, 2022.

Andrew McDaniel
Witness

Signal Service, Inc.,

By: RSB
Ryan S. Brown

Lower Macungie Township

By: _____

Witness

SIGNAL SERVICE, INC.

1020 ANDREW DRIVE
WEST CHESTER, PENNSYLVANIA 19380

(610) 429-8073
FAX: (610) 429-8076

July 18, 2022

Lower Macungie Township
Attn: Mr. Bruce Beitel
3400 Brookside Road
Macungie, PA 18062-1428

Re: Traffic Signal Maintenance Contract Renewal

Dear Mr. Beitel:

Our records indicate it is time to renew your traffic signal maintenance contract. The contract cost for your preventive maintenance will remain the same as last year unless you have added intersections, flashers or school signals.

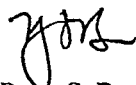
We will continue our two year contract to reduce paperwork and administrative costs. The contract term will be two years but is based upon annual preventive maintenance and yearly invoicing. We will invoice you upon completion of the preventive maintenance each year.

Enclosed you will find our maintenance proposal. I have enclosed two copies of the Acceptance Agreement, one bound and one loose. **Please sign both copies, retain the bound copy for your records and return the other copy to us.**

Your continued support and confidence in our abilities are very much appreciated; thus, we are looking forward to the continuation of our business relationship. As technology advances and the demands of traffic management increase, we are ready to provide solutions to your problems. Please take advantage of our knowledge and expertise.

I can be reached at (610) 429-8073 to talk about your future traffic signal needs or to resolve any issues that may arise. Our goal remains the same, to provide the very best preventive maintenance, emergency service and traffic management solutions that you have come to expect from our organization.

Sincerely,



Ryan S. Brown,
President

RSB/amm

TRAFFIC SIGNAL MAINTENANCE CONTRACT

ACCEPTANCE AGREEMENT

In consideration of the mutual covenants, promises and agreements contained in the maintenance contract dated September 1, 2022 between the two parties referred to as Signal Service, Inc. and Lower Macungie Township, the parties, hereto, intend to be legally bound.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement effective September 1, 2022.

Andrea M Daniels
Witness

Signal Service, Inc.,

By: RSB
Ryan S. Brown

Lower Macungie Township

Witness

By: _____