

**UPPER MERION TOWNSHIP BOARD OF SUPERVISORS**  
**APRIL 16, 2020 MEETING ~ 7:30 PM**

**AGENDA**

1. Meeting Called to Order.
2. Pledge of Allegiance.
3. Roll Call.
4. Meeting Minutes:
5. Chairman's Comments:
6. New Business:
  - A. Resolution No. 2020-16 re: Earth Day
  - B. Resolution No. 2020-17 re: Arbor Day
  - C. Resolution No. 2020-18 re: Authorization to sign Penn Dot Traffic Signal Permit Application (TE-160) for the modification of the traffic signal at the intersection of Church Road & Horizon drive to permit the installation of Two "Left turn yield on green ball" signs for the left turning lane from Horizon Drive onto E. Church Road
  - D. Resolution No. 2020-19 re: Authorization to sign Penn Dot Traffic Signal Permit Application (TE-160) for the modification of the traffic signal at the intersection of S. Gulph Rd, Upper Gulph Rd & New Gulph Road to permit the installation of new traffic signals, pedestrian signals, pre-emption detection, cameras and turn lane installations.
  - E. Construction Project – Installation of CCTV Cameras at the intersection of Valley Forge Road (SR 23) and Valley Creek Road (SR 252).
  - F. Authorization to Advertise – 2020 Township Road Resurfacing Program Bid.
  - G. Authorization to Purchase Capital Equipment – Videoconferencing equipment and installation for Township/Police Conference Rooms and Supervisors Board Room - \$31,996.66.
  - H. Bid Award – Water Pollution Control Center Painting Maintenance Project Contract for buildings and processing equipment at Trout Run and Matsunk Wastewater Plants to G.C. Zarnas of Bethlehem, PA in the amount of \$1,104,540.00 as follows:
    - Trout Run Wastewater Plant – Bid Items 1 & 2 in the amount of \$712,424.00
    - Matsunk Wastewater Plant – Bid Items 7, 8, 16, 17, 18, 19, 20 & 21 in the amount of \$429,381.00.
    - Bid Alternate A – Deduct for the Trout Run Clarifier Tank, Stilling Well & Agitator in the amount of \$37,265.00.
  - I. King of Prussia Mall Request- Reduction of required Impact fee payment in 2020 Memorandum of Understanding for Police Coverage due to State mandated closure of all-non-essential businesses during the COVID-19 Emergency Declaration.
  - J. Extension of Timing Township Real Estate Tax Discount Rate.
  - K. Communication of Public Safety Information and Updates on Township Operations.

OVER

7. Accounts Payable & Payrolls.
8. Additional Business.
9. Adjournment.
10. Executive Session – Personnel & Real Estate Matters.

In order to comply with the Governor's Order and Social Distancing recommendations, the Board of Supervisors have established the use of the MyUMT Communications App on the Township's website, [www.umtownship.org](http://www.umtownship.org) to accommodate public participation in the meeting. The meeting will be broadcast on Comcast Channel 22 and Verizon Channel 33, and streamed live on the Township's website. Residents can register and use the MyUMT App or call in via telephone to (484) 636-3930 to submit questions and comments during the meeting. For more information regarding participation options, please check the Township website.

**RESOLUTION NO. 2020-16**

**WHEREAS**, the water, land, air and wildlife of Upper Merion Township are precious and in need of care and protection, and the residents of Upper Merion Township care deeply about our environment, and

**WHEREAS**, each April, Earth Day is celebrated in our community, our state, our nation, and the world over, and that this is the only holiday in the history of the world that has no national or religious borders, and that Earth Day is celebrated in order to focus our attention on our fragile environment, to reduce toxicity and trash, to reuse containers, to repair what is broken, and to recycle as much as possible, including buying products with recycled materials, and

**WHEREAS**, the Board of Supervisors regards protection of open space as an important goal, preserving and conserving land for future generations, and

**WHEREAS**, clean indoor air is not only a privilege but an important right for children and adults, and

**WHEREAS**, we remember the words of President John F. Kennedy, "It is our task in our time and in our generation, to hand down undiminished to those who come after us, as was handed down to us by those who went before, the natural wealth and beauty which is ours", and

**WHEREAS**, we remember the words of President Theodore Roosevelt, "The conservation of natural resources is the fundamental problem. Unless we solve that problem it will avail us little to solve all others."

**WHEREAS**, this year especially, the 50<sup>th</sup> anniversary of Earth Day, when the Country and the World is dealing with a global health crisis that has changed the fabric of our daily way of life, that we do everything in our power to protect our natural life-support systems that make our world habitable.

**NOW, THEREFORE**, be it resolved that Board of Supervisors proclaims April 22, 2020, Earth Day in Upper Merion Township. As a result of the Disaster Declaration issued by the Governor of Pennsylvania in response to the COVID-19 epidemic the Board of Supervisors urge residents and organizations to observe Earth Day virtually, participate in a digital Earth Day event and when appropriate to participate in a cleanup project, to plant trees, to conserve energy, and in all ways demonstrate a greater care for the environment. Now more than ever.

**RESOLVED** this **16th day of April 2020**, by the Board of Supervisors of Upper Merion Township.

ATTEST:

UPPER MERION TOWNSHIP  
BOARD OF SUPERVISORS

\_\_\_\_\_  
ANTHONY HAMADAY  
TOWNSHIP SECRETARY

\_\_\_\_\_  
WILLIAM JENAWAY  
CHAIRPERSON

**RESOLUTION NO. 2020-17**

**WHEREAS**, the State Legislature has adopted an Act designating the last Friday in April as Arbor Day; and

**WHEREAS**, it is the purpose of the designation of this day throughout the Nation to encourage the planting of shade and forest trees, the harvesting of our forest crops by approved conservation methods, and the protection of our forests from fires, insects, and diseases that destroy the beauty and usefulness of our woodlands as well as their wildlife; and

**WHEREAS**, trees in our Township increase property value, enhance the economic vitality of business areas, and beautify our community; and

**WHEREAS**, trees, wherever they are planted, are a source of joy and spiritual renewal; and

**NOW, THEREFORE**, the Board of Supervisors of Upper Merion Township hereby proclaimed Friday, the 24h day of April, 2020 as:

**ARBOR DAY**

As a result of the Disaster Declaration issued by the Governor of Pennsylvania in response to the COVID-19 epidemic the Board of Supervisors urge residents to observe Arbor Day virtually and when appropriate consider planting of one or more trees on their property to gladden the hearts and promote the well-being of present and future generations. A Township sponsored tree planting event to celebrate Arbor Day 2020 will be scheduled at a later date.

**RESOLVED** this 16th day of April 2020, by the Board of Supervisors of Upper Merion Township.

ATTEST:

UPPER MERION TOWNSHIP  
BOARD OF SUPERVISORS

\_\_\_\_\_  
ANTHONY HAMADAY  
TOWNSHIP SECRETARY

\_\_\_\_\_  
WILLIAM JENAWAY  
CHAIRMAN

**RESOLUTION**

**2020-18**

**BE IT RESOLVED**, by authority of the **BOARD OF SUPERVISORS** of **UPPER MERION TOWNSHIP, MONTGOMERY COUNTY**, and it is hereby resolved by authority of the same that **ANTHONY T. HAMADAY, MANAGER** of said **MUNICIPALITY** is authorized and directed to submit the attached Application for Traffic Signal Approval to the Pennsylvania Department of Transportation and to sign this Application on behalf of the **MUNICIPALITY**.

**ATTEST:**

**UPPER MERION TOWNSHIP**

\_\_\_\_\_  
**Anthony T. Hamaday**  
**Township Manager**

By: \_\_\_\_\_  
**Bill Jenaway**  
**Chairperson**

**I, BILL JENAWAY, CHAIRPERSON** of the **UPPER MERION TOWNSHIP BOARD OF SUPERVISORS**, do hereby certify that the foregoing is a true and correct copy of the Resolution adopted at a regular meeting of the Board of Supervisors, held on the 16<sup>th</sup> day of April, 2020.

DATE: \_\_\_\_\_

\_\_\_\_\_  
**Chairperson**

Re: Church Road and Horizon Drive

# Application for Traffic Signal Approval

Please Type or Print all information in Blue or Black Ink



County : \_\_\_\_\_  
Engineering District : \_\_\_\_\_  
Department Tracking # : \_\_\_\_\_  
Initial Submission Date : \_\_\_\_\_

## A - Applicant's (Municipal) Contact Information

Municipal Contact's Name : Anthony Hamaday Title : Township Manager  
Municipal Name : Upper Merion Township  
Municipal Address : 175 W Valley Forge Road  
Municipal Phone Number : 610-265-2600 Alternative Phone Number : \_\_\_\_\_  
E-mail Address : ahamaday@umtownship.org  
Municipal Hours of Operation : Monday through Friday 08:30 to 17:00 Hours

## B - Application Description

Location (*intersection*) : Church Rd and Horizon Drive  
Traffic Control Device is :  NEW Traffic Signal  EXISTING Traffic Signal (Permit Number) : File # 2932  
Type of Device (*select one*)  Traffic Control Signal (MUTCD Section 4D, 4E, 4G)  Flashing Beacon (MUTCD Section 4L)  School Warning System (MUTCD Section 7B)  
 Other : \_\_\_\_\_  
Is Traffic Signal part of a system? :  YES  NO System Number (*if applicable*) : \_\_\_\_\_  
If YES, provide locations of all signalized intersections in system.

### Explain the proposed improvements :

Add 2 Left turn yield on green ball Signage R10-12 for phase 8 approach lanes  
One will be ground mounted the other mounted over head between signals 6 and 7

Associated with Highway Occupancy Permit (HOP)? :  YES  NO If YES, HOP Application # : \_\_\_\_\_

## C - Maintenance and Operation Information

Maintenance and Operations are typically performed by? :  
 Municipal Personnel  Municipal Contractor  Municipal Personnel & Contractor  
 Other : \_\_\_\_\_  
Maintenance and Operations Contact Name : Charles DeVitis Company/Organization : Upper Merion Township  
Phone # : 610-279-9030 Alternative Phone # : \_\_\_\_\_ E-mail : cdevitis@umtownship.org

## D - Attachments Listing

- |  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> Municipal Resolution ( <i>required</i> ) | <input type="checkbox"/> Location Map               | <input type="checkbox"/> Traffic Volumes / Pedestrian Volumes |
| <input type="checkbox"/> Letter of Financial Commitment                      | <input type="checkbox"/> Photographs                | <input type="checkbox"/> Turn Lane Analysis                   |
| <input type="checkbox"/> Traffic Signal Permit                               | <input type="checkbox"/> Straight Line Diagram      | <input type="checkbox"/> Turn Restriction Studies             |
| <input type="checkbox"/> Warrant Analysis                                    | <input type="checkbox"/> Capacity Analysis          | <input checked="" type="checkbox"/> Other : <u>None</u>       |
| <input type="checkbox"/> Crash Analysis                                      | <input type="checkbox"/> Traffic Impact Study (TIS) |   |
| <input type="checkbox"/> Traffic Signal Study                                | <input type="checkbox"/> Condition Diagram          |   |

# Application for Traffic Signal Approval

Please Type or Print all information in Blue or Black Ink



County : \_\_\_\_\_

Engineering District : \_\_\_\_\_

Department Tracking # : \_\_\_\_\_

Initial Submission Date : \_\_\_\_\_

## E - Applicant (Municipal) Certification

The applicant desires to own, operate, and maintain the traffic control device in the location indicated above; and the Vehicle Code requires the approval of the Department of Transportation ("Department") before any traffic signals may be legally erected or modified. A signed Application for Traffic Signal Approval (TE-160) must be submitted in conformance with the instructions provided by the Department, and a Traffic Signal Permit must be issued, before any work can begin.

If the Department approves a traffic signal after a traffic engineering study and engineering judgment indicates the need, the traffic signal shall be installed, owned, operated, and maintained within the parameters indicated in the Vehicle Code and the Department's regulations relating to traffic signs, signals, and markings. The Department may direct appropriate alterations to the design or operation (including, but not limited to, hours of operation) of the traffic signal, or require removal of the traffic signal, if traffic conditions or other considerations necessitate alteration or removal.

All items associated with the traffic control device (geometric features, signs, signals, pavement markings, pedestrian accommodations, and other traffic control device associated items) are the applicant's responsibility. The Traffic Signal Permit will then document all of the items associated with operation of each traffic control device. The applicant, at its sole expense, shall provide the necessary inspection, maintenance, and operation activities in conformance with the Department's Publication 191 or as otherwise agreed to by the Department. The applicant shall perform the preventative and responsive maintenance requirements and recordkeeping in accordance with the exhibits specified below. If the applicant fails to provide the required inspection, maintenance, or operation services within thirty (30) days of receipt of written notice from the Department, the Department shall have the right to perform the required inspection, maintenance, or operation services in the applicant's stead and the applicant shall reimburse the Department for all costs incurred. Federal- and/or state-aid participation may be withheld on all future projects if the applicant fails to demonstrate to the Department the ability to provide all required maintenance and operation services. The applicant certifies that it has funds available and committed for the operation and maintenance of the traffic control device and that it will make available sufficient funds for all required future inspection, maintenance, and operation activities.

The applicant shall indemnify, save harmless and, defend (if requested) the Commonwealth of Pennsylvania, its agents, representatives, and employees from and against any damages recoverable under the Sovereign Immunity Act, 42 Pa. C.S. §§ 8521-8528, up to the limitations on damages under said law, arising out of any personal injury or damage to property which is finally determined by a court to be caused by or result from acts or omissions of the applicant and for which a court has held applicant, its officials, or employees to be liable. This provision shall not be construed to limit the applicant in asserting any rights or defenses. Additionally, the applicant shall include in any contracts into which it enters for maintenance, operation, or inspection of the traffic control device this same obligation to indemnify the Commonwealth and its officers, agents, and employees; and it shall require its contractor(s) to provide public liability insurance coverage, naming the Commonwealth and the applicant as additional insureds for bodily injury, including death and property damage, in the minimum amounts of \$500,000 per person, \$1,000,000 per occurrence, it being the intention of parties to have the contractor fully insure and indemnify the Commonwealth and the applicant.

The applicant shall comply with the study and ordinance requirements of 75 Pa. C.S. § 6109. The applicant submits this application with the intention of being legally bound.

Neither this application nor any Traffic Signal Permit creates any rights or obligations with respect to parties other than the applicant and the Department. Third parties may not rely upon any representations made by either the applicant or the Department in connection with the submission or approval of this application or any work permitted or approved that is related to this application, as regards either payment of funds or performance of any particular item of maintenance precisely as specified.

The applicant agrees to comply with the attached Exhibits:

- Exhibit "A": Preventative and Response Maintenance Requirements (Sheet 3 of 5)
- Exhibit "B": Recordkeeping (Sheet 4 of 5)
- Exhibit "C": Signal Maintenance Organization (Sheet 5 of 5)

Printed Municipal Contact Name : \_\_\_\_\_ Date : \_\_\_\_\_

Signed By : \_\_\_\_\_ Witness or Attest : \_\_\_\_\_

Title of Signatory : \_\_\_\_\_ Title of Witness or Attester: \_\_\_\_\_

**Exhibit "A":  
 Preventative and Response Maintenance  
 Requirements**



County : \_\_\_\_\_  
 Engineering District : \_\_\_\_\_  
 Department Tracking # : \_\_\_\_\_  
 Initial Submission Date : \_\_\_\_\_

**Preventive Maintenance**

The APPLICANT or its contractor will provide preventive maintenance for each individual component of the traffic signal installation covered by this application at intervals not less than those indicated in the Preventive Maintenance Summary, PA DOT Publication 191, current version. This is the recommended level of maintenance to keep the intersection control equipment and signals in mechanically, structurally and aesthetically good condition.

**Response Maintenance**

The APPLICANT or its contractor will provide response maintenance in accordance with the provisions of the Response Maintenance Schedule. It encompasses the work necessary to restore a traffic signal system to proper and safe operation. Includes Emergency Repair and Final Repair.

**FINAL REPAIR:**

Repair or replace failed equipment to restore system to proper and safe operation in accordance with permit within a 24-hour period.

**EMERGENCY REPAIR:**

Use alternative means or mode to temporarily restore system to safe operation within a 24-hour period. Final repair must then be completed within 30 days unless prohibited by weather conditions or availability of equipment.

**Response Maintenance Schedule**

**KNOCKDOWNS**

- Support - Mast arm
- Support - Strain pole
- Span wire/tether wire
- Pedestal
- Cabinet
- Signal heads

**TYPE OF REPAIR PERMITTED**

- Emergency or Final
- Emergency or Final
- Final Only
- Emergency or Final
- Emergency or Final
- Final Only

**EQUIPMENT FAILURE**

- Lamp burnout (veh. & ped.)
- Local controller
- Master controller
- Detector sensor
  - Loop
  - Magnetometer
  - Sonic
  - Magnetic
  - Pushbutton
- Detector amplifier
- Conflict monitor
- Flasher
- Time clock
- Load switch/relay
- Coordination unit
- Communication interface, mode
- Signal cable
- Traffic Signal Communications
- Traffic Signal Systems

- Final Only
- Emergency or Final
- Emergency or Final
- Emergency or Final
- Emergency or Final
- Emergency or Final
- Emergency or Final
- Emergency or Final
- Final Only
- Final Only
- Emergency or Final
- Final Only
- Emergency or Final
- Emergency or Final
- Final Only
- Final Only
- Final Only



**Exhibit "B":  
Recordkeeping**



County : \_\_\_\_\_

Engineering District : \_\_\_\_\_

Department Tracking # : \_\_\_\_\_

Initial Submission Date : \_\_\_\_\_

**Recordkeeping**

Accurate and up-to-date recordkeeping is an essential component of a good traffic signal maintenance program. In recognition of this fact, the APPLICANT must prepare, retain, and make available to the COMMONWEALTH, on request, a record of all preventive and response maintenance activities performed on the traffic signal equipment covered by this application.

The APPLICANT shall establish a separate file for each installation and keep its records in the municipal building, signal maintenance shop, or other weather-protected enclosure.

At a minimum, the following records will be kept by the APPLICANT or its contractor for each traffic signal. These forms can be found in Section 10.0, Maintenance Record Forms, PA DOT Publication 191, current version.

**FORM 1 - Master Intersection Record**

This form, which lists all maintenance functions performed at the intersection, should be updated within one day of the activity but no more than one week later.

**FORM 2 - Response Maintenance Record**

Each time response maintenance is required at the intersection, this form is to be completed. Once the pertinent information is transferred to the master intersection record, this form is to be placed in the intersection file.

**FORM 3 - Preventive Maintenance Record**

This form will be used to provide a record of the preventive maintenance activities performed at each intersection. The date, the activities performed, and the signature of the person in charge of the work must be recorded in the form.

This form may be kept at the intersection, if it is adequately protected from the weather. Form 1 must be updated at the central file, however, to reflect the date and activity.

**Exhibit "C":  
Signal Maintenance Organization**

County : \_\_\_\_\_  
 Engineering District : \_\_\_\_\_  
 Department Tracking # : \_\_\_\_\_  
 Initial Submission Date : \_\_\_\_\_

**Personnel Classifications**

In order to properly maintain the traffic signal equipment covered by this applicant, the APPLICANT agrees to provide, as minimum, the following staff throughout the useful life of equipment. The APPLICANT agrees to abide by all guidance provided in PA DOT Publication 191.

**Traffic Engineer** - The administrative position which has prime responsibility for the proper operation of traffic signal equipment. The principal function of this position is the supervision and control of subordinate personnel and the planning of their activities to ensure adequate preventive and response maintenance programs.

**Minimum Position Requirements**

1. A thorough understanding of traffic signal design, installation and maintenance.
2. A working knowledge of the interaction between the following traffic characteristics: Intersection geometry, traffic flow theory, control type (fixed time, actuated, etc.), signal phasing and timing, and interconnection.
3. An ability to supervise subordinate personnel effectively in the assignment of their work.
4. Possession of a college degree in engineering, which includes course work in traffic engineering.
5. Either four years experience in the field of traffic engineering or its equivalent in graduate college work.

**Signal Specialist** - The individual responsible for the diagnostics and repair of all traffic signal equipment including solid state equipment.

**Minimum Position Requirements**

1. Extensive training and troubleshooting skills in electronics and software.
2. Ability to repair modules in the shop and to design test equipment needed to diagnose and repair a problem.
3. Ability to make design and modifications to implement or omit special functions.
4. Ability to implement a recordkeeping system to include maintenance activities, inventory control and identification of recurring problems.
5. Ability to perform all tasks required of a signal technician.

**Signal Technician** - Individual responsible for the operation and maintenance of traffic signals and electromechanical equipment.

**Minimum Position Requirements**

1. Ability to perform response maintenance on solid state equipment up to the device exchange level.
2. Capability to diagnose a vehicle loop failure and initiate corrective action.
3. Ability to tune detector amplifiers.
4. Ability to follow wiring schematics, check and set timings from plan sheet and check all field connections.
5. Ability to perform preventive maintenance on all equipment and to maintain accurate records of all work perform.

**Training**

The APPLICANT agrees to secure training in order to upgrade the ability of its present staff to properly perform the required maintenance functions. The APPLICANT agrees to abide by all guidance provided in PA DOT Publication 191.

**Budget Requirements**

The APPLICANT agrees to provide, in its annual operating budget, dedicated funds which are sufficient to cover the cost of the personnel, training, contractors (if utilized) and specialized maintenance equipment which are required, by virtue of this application. The APPLICANT agrees to abide by all guidance provided in PA DOT Publication 191..

# Application Instructions



## A - Applicant's (Municipal) Contact Information

**Municipal Contact's Name:** Provide the municipal contact name that is (or will be responsible) for the traffic signal. Typically this is either the Municipal Manager or Roadmaster.

**Title:** Provide the title of the municipal contact name.

**Municipal Name:** Provide the official municipal name.

**Municipal Address:** Provide the full address of the municipal building.

**Municipal Phone Number:** Provide the municipal phone number of the municipal contact.

**Alternative Phone Number:** Provide an alternative phone number of the municipal contact.

**E-mail Address:** Provide the e-mail address of the municipal contact.

**Municipal Hours of Operation:** Please provide the municipalities normal operating hours (i.e. Monday-Thursday 9 AM - 2 PM)

## B - Application Description

**Location (*intersection*):** Please provide a detailed location of the device or devices being considered for approval.

Please include any State Route and/or local road names in your description.

**Traffic Control Device is:** (Please select one of the two following categories)

**NEW Traffic Signal:** This item should be selected when requesting approval of a traffic signal that is currently not in operation at the device location indicated above.

**EXISTING Traffic Signal:** This item should be selected when requesting approval to make a modification or update to an existing traffic signal.

**(Permit Number):** Please provide the traffic signal permit number.

**Type of Device (select one):** (Please select one of the four following categories)

**Traffic Control Signal:** As defined in federal Manual on Uniform Traffic Control Devices (MUTCD) Sections 4D, 4E, and 4G. When selecting this category this is the typical red/yellow/green and pedestrian signal indications

**Flashing Beacon:** As defined in federal Manual on Uniform Traffic Control Devices (MUTCD) Section 4L. When selecting this category, this is typically either the flashing yellow/red signal at an intersection and/or the flashing yellow warning sign.

**School Warning System:** As defined in federal Manual on Uniform Traffic Control Devices (MUTCD) Section 7B. When selecting this category, this is typically the flashing school warning sign with a 15 mph indication.

**Other:** When selecting this category, this pertains to all other permitted electrically powered traffic control devices approved by the Department.

**Is Traffic Signal part of a system?:** Check off the appropriate box, either YES or NO. If YES, please fill in the **System Number (*if applicable*):** line.

**Explain the proposed improvements:** Provide a description of the proposed improvements to the intersection. This may be as complex as installing and/or upgrading a traffic signal or as non-complex as placement of a new traffic sign to supplement an existing traffic signal.

**Associated with Highway Occupancy Permit (HOP)?:** Check off the appropriate box, either YES or NO. If YES, please fill in the **Application #:** line.

## C - Maintenance and Operation Information

**Maintenance and Operations are typically performed by?:** Please indicate if maintenance and operation will be performed by Municipal Personnel or through Contract Services.

**Maintenance and Operations Contact Name:** Provide the primary maintenance contact name for the individual that is (or will be responsible) for the maintenance and operation of the traffic signal.

**Company/Organization:** Provide the name of the company/organization with which the primary maintenance contact is affiliated.

**Phone #:** Provide the phone number for the primary maintenance contact.

**Alternative Phone #:** Provide an alternative phone number for the primary maintenance contact or affiliated company/organization.

**E-mail:** Provide the e-mail address for the primary maintenance contact.

## D - Attachments Listing

Check off all documents which will be submitted along with this application. Note that a Municipal Resolution, authorizing the municipal contact to submit and sign the application, is a required document.

A sample Municipal Resolution has been provided on the next page.

## E - Applicant (Municipal) Certification

**Printed Municipal Contact Name:** Please print the name of the municipal contact person signing the application.

**Date:** Please provide the date on which the application was signed.

**Signed By:** Please provide the signature of the named municipal contact.

**Title of Signatory:** Please provide the title of municipal contact.

**Witness or Attest:** Please provide the signature of the person witnessing or attesting the signature.

**Witness or Attester:** Please provide the title of the person witnessing or attesting the signature.

**RESOLUTION**

**2020-19**

**BE IT RESOLVED**, by authority of the **BOARD OF SUPERVISORS** of **UPPER MERION TOWNSHIP, MONTGOMERY COUNTY**, and it is hereby resolved by authority of the same that **ANTHONY T. HAMADAY, MANAGER** of said **MUNICIPALITY** is authorized and directed to submit the attached Application for Traffic Signal Approval to the Pennsylvania Department of Transportation and to sign this Application on behalf of the **MUNICIPALITY**.

**ATTEST:**

**UPPER MERION TOWNSHIP**

\_\_\_\_\_  
**Anthony T. Hamaday**  
**Township Manager**

**By:** \_\_\_\_\_  
**Bill Jenaway**  
**Chairperson**

**I, BILL JENAWAY, CHAIRPERSON** of the **UPPER MERION TOWNSHIP BOARD OF SUPERVISORS**, do hereby certify that the foregoing is a true and correct copy of the Resolution adopted at a regular meeting of the Board of Supervisors, held on the 16<sup>th</sup> day of April, 2020.

**DATE:** \_\_\_\_\_  
\_\_\_\_\_ **Chairperson**

**Re: South Gulph Road/Upper Gulph Road/New Gulph Road**

# Application for Traffic Signal Approval

Please Type or Print all information in Blue or Black Ink



County : \_\_\_\_\_  
 Engineering District : \_\_\_\_\_  
 Department Tracking # : \_\_\_\_\_  
 Initial Submission Date : \_\_\_\_\_

## A - Applicant's (Municipal) Contact Information

Municipal Contact's Name : Anthony Hamaday Title : Township Manager  
 Municipal Name : Upper Merion Township  
 Municipal Address : 175 W Valley Forge Road  
 Municipal Phone Number : 610-265-2600 Alternative Phone Number : \_\_\_\_\_  
 E-mail Address : ahamaday@umtownship.org  
 Municipal Hours of Operation : Monday through Friday 8:30 to 17:00 Hours

## B - Application Description

Location (*intersection*) : South Gulph Road (SR 0320) / Upper Gulph Road (SR 3030) / New Gulph Road (SR 3030)  
 Traffic Control Device is :  NEW Traffic Signal  EXISTING Traffic Signal (Permit Number) : 64-0091  
 Type of Device (*select one*)  Traffic Control Signal (MUTCD Section 4D, 4E, 4G)  Flashing Beacon (MUTCD Section 4L)  School Warning System (MUTCD Section 7B)  
 Other : \_\_\_\_\_  
 Is Traffic Signal part of a system? :  YES  NO System Number (*if applicable*) : I-0129  
 If YES, provide locations of all signalized intersections in system.  
South Gulph Road & Upper Gulph Road/New Gulph Road (File #0091), Matsonford Road & Old Gulph Road (File #0335), and Matsonford Road & Montgomery Avenue (File #1019)  
 Explain the proposed improvements :  
New traffic signal supports and mast arms, conduit, wiring, vehicular signal heads, pedestrian signal heads with countdown timers, controller assembly, emergency pre-emption equipment and fisheye video detection. The southbound left turn lane will be extended and a southbound right turn lane will be added.  
 Associated with Highway Occupancy Permit (HOP)? :  YES  NO If YES, HOP Application # : \_\_\_\_\_

## C - Maintenance and Operation Information

Maintenance and Operations are typically performed by? :  
 Municipal Personnel  Municipal Contractor  Municipal Personnel & Contractor  
 Other : \_\_\_\_\_  
 Maintenance and Operations Contact Name : Charles DeVitis Company/Organization : Upper Merion Township  
 Phone # : 610-279-9030 Alternative Phone # : \_\_\_\_\_ E-mail : cdevitis@umtownship.org

## D - Attachments Listing

Municipal Resolution (*required*)  Location Map  Traffic Volumes / Pedestrian Volumes  
 Letter of Financial Commitment  Photographs  Turn Lane Analysis  
 Traffic Signal Permit  Straight Line Diagram  Turn Restriction Studies  
 Warrant Analysis  Capacity Analysis  Other : None  
 Crash Analysis  Traffic Impact Study (TIS)  
 Traffic Signal Study  Condition Diagram

# Application for Traffic Signal Approval

Please Type or Print all information in Blue or Black Ink



County : \_\_\_\_\_

Engineering District : \_\_\_\_\_

Department Tracking # : \_\_\_\_\_

Initial Submission Date : \_\_\_\_\_

## E - Applicant (Municipal) Certification

The applicant desires to own, operate, and maintain the traffic control device in the location indicated above; and the Vehicle Code requires the approval of the Department of Transportation ("Department") before any traffic signals may be legally erected or modified. A signed Application for Traffic Signal Approval (TE-160) must be submitted in conformance with the instructions provided by the Department, and a Traffic Signal Permit must be issued, before any work can begin.

If the Department approves a traffic signal after a traffic engineering study and engineering judgment indicates the need, the traffic signal shall be installed, owned, operated, and maintained within the parameters indicated in the Vehicle Code and the Department's regulations relating to traffic signs, signals, and markings. The Department may direct appropriate alterations to the design or operation (including, but not limited to, hours of operation) of the traffic signal, or require removal of the traffic signal, if traffic conditions or other considerations necessitate alteration or removal.

All items associated with the traffic control device (geometric features, signs, signals, pavement markings, pedestrian accommodations, and other traffic control device associated items) are the applicant's responsibility. The Traffic Signal Permit will then document all of the items associated with operation of each traffic control device. The applicant, at its sole expense, shall provide the necessary inspection, maintenance, and operation activities in conformance with the Department's Publication 191 or as otherwise agreed to by the Department. The applicant shall perform the preventative and responsive maintenance requirements and recordkeeping in accordance with the exhibits specified below. If the applicant fails to provide the required inspection, maintenance, or operation services within thirty (30) days of receipt of written notice from the Department, the Department shall have the right to perform the required inspection, maintenance, or operation services in the applicant's stead and the applicant shall reimburse the Department for all costs incurred. Federal- and/or state-aid participation may be withheld on all future projects if the applicant fails to demonstrate to the Department the ability to provide all required maintenance and operation services. The applicant certifies that it has funds available and committed for the operation and maintenance of the traffic control device and that it will make available sufficient funds for all required future inspection, maintenance, and operation activities.

The applicant shall indemnify, save harmless and, defend (if requested) the Commonwealth of Pennsylvania, its agents, representatives, and employees from and against any damages recoverable under the Sovereign Immunity Act, 42 Pa. C.S. §§ 8521-8528, up to the limitations on damages under said law, arising out of any personal injury or damage to property which is finally determined by a court to be caused by or result from acts or omissions of the applicant and for which a court has held applicant, its officials, or employees to be liable. This provision shall not be construed to limit the applicant in asserting any rights or defenses. Additionally, the applicant shall include in any contracts into which it enters for maintenance, operation, or inspection of the traffic control device this same obligation to indemnify the Commonwealth and its officers, agents, and employees; and it shall require its contractor(s) to provide public liability insurance coverage, naming the Commonwealth and the applicant as additional insureds for bodily injury, including death and property damage, in the minimum amounts of \$500,000 per person, \$1,000,000 per occurrence, it being the intention of parties to have the contractor fully insure and indemnify the Commonwealth and the applicant.

The applicant shall comply with the study and ordinance requirements of 75 Pa. C.S. § 6109. The applicant submits this application with the intention of being legally bound.

Neither this application nor any Traffic Signal Permit creates any rights or obligations with respect to parties other than the applicant and the Department. Third parties may not rely upon any representations made by either the applicant or the Department in connection with the submission or approval of this application or any work permitted or approved that is related to this application, as regards either payment of funds or performance of any particular item of maintenance precisely as specified.

The applicant agrees to comply with the attached Exhibits:

- Exhibit "A": Preventative and Response Maintenance Requirements (Sheet 3 of 5 )
- Exhibit "B": Recordkeeping (Sheet 4 of 5 )
- Exhibit "C": Signal Maintenance Organization (Sheet 5 of 5 )

Printed Municipal Contact Name : \_\_\_\_\_ Date : \_\_\_\_\_

Signed By : \_\_\_\_\_ Witness or Attest : \_\_\_\_\_

Title of Signatory : \_\_\_\_\_ Title of Witness or Attester: \_\_\_\_\_

**Exhibit "A":  
Preventative and Response Maintenance  
Requirements**



County : \_\_\_\_\_  
 Engineering District : \_\_\_\_\_  
 Department Tracking # : \_\_\_\_\_  
 Initial Submission Date : \_\_\_\_\_

**Preventive Maintenance**

The APPLICANT or its contractor will provide preventive maintenance for each individual component of the traffic signal installation covered by this application at intervals not less than those indicated in the Preventive Maintenance Summary, PA DOT Publication 191, current version. This is the recommended level of maintenance to keep the intersection control equipment and signals in mechanically, structurally and aesthetically good condition.

**Response Maintenance**

The APPLICANT or its contractor will provide response maintenance in accordance with the provisions of the Response Maintenance Schedule. It encompasses the work necessary to restore a traffic signal system to proper and safe operation. Includes Emergency Repair and Final Repair.

FINAL REPAIR:

Repair or replace failed equipment to restore system to proper and safe operation in accordance with permit within a 24-hour period.

EMERGENCY REPAIR:

Use alternative means or mode to temporarily restore system to safe operation within a 24-hour period. Final repair must then be completed within 30 days unless prohibited by weather conditions or availability of equipment.

**Response Maintenance Schedule**

KNOCKDOWNS

TYPE OF REPAIR PERMITTED

Support - Mast arm	Emergency or Final
Support - Strain pole	Emergency or Final
Span wire/tether wire	Final Only
Pedestal	Emergency or Final
Cabinet	Emergency or Final
Signal heads	Final Only

EQUIPMENT FAILURE

Lamp burnout (veh. & ped.)	Final Only
Local controller	Emergency or Final
Master controller	Emergency or Final
Detector sensor	
- Loop	Emergency or Final
- Magnetometer	Emergency or Final
- Sonic	Emergency or Final
- Magnetic	Emergency or Final
- Pushbutton	Emergency or Final
Detector amplifier	Emergency or Final
Conflict monitor	Final Only
Flasher	Final Only
Time clock	Emergency or Final
Load switch/relay	Final Only
Coordination unit	Emergency or Final
Communication interface, mode	Emergency or Final
Signal cable	Final Only
Traffic Signal Communications	Final Only
Traffic Signal Systems	Final Only

**Exhibit "B":  
Recordkeeping**



County : \_\_\_\_\_

Engineering District : \_\_\_\_\_

Department Tracking # : \_\_\_\_\_

Initial Submission Date : \_\_\_\_\_

**Recordkeeping**

Accurate and up-to-date recordkeeping is an essential component of a good traffic signal maintenance program. In recognition of this fact, the APPLICANT must prepare, retain, and make available to the COMMONWEALTH, on request, a record of all preventive and response maintenance activities performed on the traffic signal equipment covered by this application.

The APPLICANT shall establish a separate file for each installation and keep its records in the municipal building, signal maintenance shop, or other weather-protected enclosure.

At a minimum, the following records will be kept by the APPLICANT or its contractor for each traffic signal. These forms can be found in Section 10.0, Maintenance Record Forms, PA DOT Publication 191, current version.

**FORM 1 - Master Intersection Record**

This form, which lists all maintenance functions performed at the intersection, should be updated within one day of the activity but no more than one week later.

**FORM 2 - Response Maintenance Record**

Each time response maintenance is required at the intersection, this form is to be completed. Once the pertinent information is transferred to the master intersection record, this form is to be placed in the intersection file.

**FORM 3 - Preventive Maintenance Record**

This form will be used to provide a record of the preventive maintenance activities performed at each intersection. The date, the activities performed, and the signature of the person in charge of the work must be recorded in the form.

This form may be kept at the intersection, if it is adequately protected from the weather. Form 1 must be updated at the central file, however, to reflect the date and activity.



**Exhibit "C":  
Signal Maintenance Organization**
 County : \_\_\_\_\_  
 Engineering District : \_\_\_\_\_  
 Department Tracking # : \_\_\_\_\_  
 Initial Submission Date : \_\_\_\_\_
**Personnel Classifications**

In order to properly maintain the traffic signal equipment covered by this applicant, the APPLICANT agrees to provide, as minimum, the following staff throughout the useful life of equipment. The APPLICANT agrees to abide by all guidance provided in PA DOT Publication 191.

**Traffic Engineer** - The administrative position which has prime responsibility for the proper operation of traffic signal equipment. The principal function of this position is the supervision and control of subordinate personnel and the planning of their activities to ensure adequate preventive and response maintenance programs.

**Minimum Position Requirements**

1. A thorough understanding of traffic signal design, installation and maintenance.
2. A working knowledge of the interaction between the following traffic characteristics: Intersection geometry, traffic flow theory, control type (fixed time, actuated, etc.), signal phasing and timing, and interconnection.
3. An ability to supervise subordinate personnel effectively in the assignment of their work.
4. Possession of a college degree in engineering, which includes course work in traffic engineering.
5. Either four years experience in the field of traffic engineering or its equivalent in graduate college work.

**Signal Specialist** - The individual responsible for the diagnostics and repair of all traffic signal equipment including solid state equipment.

**Minimum Position Requirements**

1. Extensive training and troubleshooting skills in electronics and software.
2. Ability to repair modules in the shop and to design test equipment needed to diagnose and repair a problem.
3. Ability to make design and modifications to implement or omit special functions.
4. Ability to implement a recordkeeping system to include maintenance activities, inventory control and identification of recurring problems.
5. Ability to perform all tasks required of a signal technician.

**Signal Technician** - Individual responsible for the operation and maintenance of traffic signals and electromechanical equipment.

**Minimum Position Requirements**

1. Ability to perform response maintenance on solid state equipment up to the device exchange level.
2. Capability to diagnose a vehicle loop failure and initiate corrective action.
3. Ability to tune detector amplifiers.
4. Ability to follow wiring schematics, check and set timings from plan sheet and check all field connections.
5. Ability to perform preventive maintenance on all equipment and to maintain accurate records of all work perform.

**Training**

The APPLICANT agrees to secure training in order to upgrade the ability of its present staff to properly perform the required maintenance functions. The APPLICANT agrees to abide by all guidance provided in PA DOT Publication 191.

**Budget Requirements**

The APPLICANT agrees to provide, in its annual operating budget, dedicated funds which are sufficient to cover the cost of the personnel, training, contractors (if utilized) and specialized maintenance equipment which are required, by virtue of this application. The APPLICANT agrees to abide by all guidance provided in PA DOT Publication 191..

# Application Instructions



**pennsylvania**  
DEPARTMENT OF TRANSPORTATION

## A – Applicant's (Municipal) Contact Information

**Municipal Contact's Name:** Provide the municipal contact name that is (or will be responsible) for the traffic signal. Typically this is either the Municipal Manager or Roadmaster.

**Title:** Provide the title of the municipal contact name.

**Municipal Name:** Provide the official municipal name.

**Municipal Address:** Provide the full address of the municipal building.

**Municipal Phone Number:** Provide the municipal phone number of the municipal contact.

**Alternative Phone Number:** Provide an alternative phone number of the municipal contact.

**E-mail Address:** Provide the e-mail address of the municipal contact.

**Municipal Hours of Operation:** Please provide the municipalities normal operating hours (i.e. Monday-Thursday 9 AM - 2 PM)

## B – Application Description

**Location (intersection):** Please provide a detailed location of the device or devices being considered for approval.

Please include any State Route and/or local road names in your description.

**Traffic Control Device is:** (Please select one of the two following categories)

**NEW Traffic Signal:** This item should be selected when requesting approval of a traffic signal that is currently not in operation at the device location indicated above.

**EXISTING Traffic Signal:** This item should be selected when requesting approval to make a modification or update to an existing traffic signal.

**(Permit Number):** Please provide the traffic signal permit number.

**Type of Device (select one):** (Please select one of the four following categories)

**Traffic Control Signal:** As defined in federal Manual on Uniform Traffic Control Devices (MUTCD) Sections 4D, 4E, and 4G. When selecting this category this is the typical red/yellow/green and pedestrian signal indications

**Flashing Beacon:** As defined in federal Manual on Uniform Traffic Control Devices (MUTCD) Section 4L. When selecting this category, this is typically either the flashing yellow/red signal at an intersection and/or the flashing yellow warning sign.

**School Warning System:** As defined in federal Manual on Uniform Traffic Control Devices (MUTCD) Section 7B. When selecting this category, this is typically the flashing school warning sign with a 15 mph indication.

**Other:** When selecting this category, this pertains to all other permitted electrically powered traffic control devices approved by the Department.

**Is Traffic Signal part of a system?:** Check off the appropriate box, either YES or NO. If YES, please fill in the **System Number (if applicable):** line.

**Explain the proposed improvements:** Provide a description of the proposed improvements to the intersection. This may be as complex as installing and/or upgrading a traffic signal or as non-complex as placement of a new traffic sign to supplement an existing traffic signal.

**Associated with Highway Occupancy Permit (HOP)?:** Check off the appropriate box, either YES or NO. If YES, please fill in the **Application #:** line.

## C – Maintenance and Operation Information

**Maintenance and Operations are typically performed by?:** Please indicate if maintenance and operation will be performed by Municipal Personnel or through Contract Services.

**Maintenance and Operations Contact Name:** Provide the primary maintenance contact name for the individual that is (or will be responsible) for the maintenance and operation of the traffic signal.

**Company/Organization:** Provide the name of the company/organization with which the primary maintenance contact is affiliated.

**Phone #:** Provide the phone number for the primary maintenance contact.

**Alternative Phone #:** Provide an alternative phone number for the primary maintenance contact or affiliated company/organization.

**E-mail:** Provide the e-mail address for the primary maintenance contact.

## D – Attachments Listing

Check off all documents which will be submitted along with this application. Note that a Municipal Resolution, authorizing the municipal contact to submit and sign the application, is a required document.

A sample Municipal Resolution has been provided on the next page.

## E – Signatures and Attestation

**Printed Municipal Contact Name:** Please print the name of the municipal contact person signing the application.

**Date:** Please provide the date on which the application was signed.

**Signed By:** Please provide the signature of the named municipal contact.

**Title of Signatory:** Please provide the title of municipal contact.

**Witness or Attestor:** Please provide the signature of the person witnessing or attesting the signature.

**Witness or Attestor:** Please provide the title of the person witnessing or attesting the signature.

Agreement No. \_\_\_\_\_  
SAP Vendor No. \_\_\_\_\_  
Federal ID No. \_\_\_\_\_

**COOPERATIVE MEMORANDUM OF AGREEMENT**

This Cooperative Memorandum of Agreement entered into this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by and between the Commonwealth of Pennsylvania, acting through its Department of Transportation, hereinafter referred to as the DEPARTMENT,

and

the Township of Upper Merion, a political subdivision of the Commonwealth of Pennsylvania, with a mailing address of 175 West Valley Forge Road, King of Prussia, PA 19406, hereinafter referred to as MUNICIPALITY.

WITNESSETH:

WHEREAS, the DEPARTMENT has issued the State Route (SR) 0422, Section M1B project (PROJECT) in Montgomery and Chester Counties to reconstruct the DEPARTMENT’S SR 0422 Pottstown Bypass – Expressway from west of Porter Road to west of the Sanatoga Interchange, including two (2) bridges carrying SR 0422 over Porter Road and Sanatoga Road and Creek, and to address both routine traffic and diversions from SR 0422 associated with incidents in this region, and;

WHEREAS, the traffic management strategy is intended to be utilized to improve communications and technology improvements within the corridors and to better inform vehicular and public transit travelers of traffic incidents and to improve multi-agency coordination and the management of daily traffic operations, and;

WHEREAS, the traffic management strategy will be used to effectuate upgrades along SR 0422 and adjacent corridors and to further improve the flow of

traffic on a daily basis, as well as during incidents on SR 0422, and;

WHEREAS, the DEPARTMENT and the MUNICIPALITY share a common interest in facilitating the safe and efficient management of traffic flow along state, county and locally-owned roadways parallel to SR 0422 in the event of an incident and wish to coordinate and disseminate accurate travel condition information to area motorists and the traveling public, and;

WHEREAS, the need for communication cable and closed-circuit television (CCTV) cameras at the following location(s) has been found to be warranted:

- CCTV at Valley Forge Road (SR 0023) and Valley Creek Road (SR 0252).

WHEREAS, the cost of installing communication cable and CCTV cameras at these locations is being partially or totally funded with state and/or federal funds, and;

WHEREAS, the DEPARTMENT is to maintain the CCTV camera device(s) along with related communication equipment and cable, and,

WHEREAS, the DEPARTMENT and the MUNICIPALITY now wish to outline their respective functions and responsibilities in this Memorandum of Agreement (AGREEMENT).

\*When referred to collectively, the DEPARTMENT and the MUNICIPALITY are referred to as the Parties.

NOW, THEREFORE, for and in consideration of the foregoing premises and of the mutual promises set forth below, the DEPARTMENT and the MUNICIPALITY agree, with the intention of being legally bound, to the following:

1. The foregoing recitals are incorporated by reference as a material part of this Agreement.

2. The MUNICIPALITY agrees to permit the DEPARTMENT to install and maintain CCTV camera devices, as well as to monitor traffic conditions, via the use of CCTV cameras to be installed along the roadways, within the boundaries of the MUNICIPALITY.

3. The DEPARTMENT will own, maintain, and operate the CCTV camera locations along area roadways, as well as the communication infrastructure used to operate these devices.

4. In the event of immediate danger to MUNICIPALITY operation or to the highway user, the parties hereto agree to fully cooperate with each other. The parties will notify the appropriate individuals as set forth below:

A. DEPARTMENT contact will be the RTMC, which can be reached at (610) 205-6934.

B. MUNICIPALITY contact will be: Township Manager  
Telephone No: (610) 265-2600

DEPARTMENT and MUNICIPALITY will immediately notify each other under the notice provisions in paragraph concerning any change in DEPARTMENT or MUNICIPALITY contact information.

5. The term of this AGREEMENT shall be for two (2) years from the date of its execution, and shall automatically renew for additional one-year terms unless cancelled by either party on written notice delivered not less than ninety (90) calendar days prior to the end of the term. Such notice of cancellation shall be by letter sent U.S. mail, certified, return receipt requested. Notice of cancellation to DEPARTMENT shall be addressed to the Secretary of Transportation at the then-current address of the Secretary of Transportation. Notice of cancellation to MUNICIPALITY shall be

addressed to the General Manager at the then current address of MUNICIPALITY's principal offices.

6. The DEPARTMENT has the right to terminate this Agreement for reasons as stated in the following paragraphs. Termination shall be effective upon receipt of written notice from either party to the other.

A. Termination for Convenience:

DEPARTMENT shall have the right to terminate this AGREEMENT for its convenience if DEPARTMENT determines termination to be in its best interest. MUNICIPALITY shall be paid for work satisfactorily completed prior to the effective date of the termination, but in no event shall MUNICIPALITY be entitled to recover loss of profits.

B. Non-Appropriation:

The DEPARTMENT's obligations are contingent upon appropriation of funds for the Project Agreement Purpose. The DEPARTMENT shall have the right to terminate a Project Agreement because of nonavailability of sufficient funds (state and/or federal) for the DEPARTMENT to pay for the services to be rendered under this Agreement.

C. Termination for Cause:

DEPARTMENT shall have the right to terminate this Agreement for MUNICIPALITY's default upon written notice to MUNICIPALITY. The DEPARTMENT shall have the right to terminate this Agreement or any Project Agreement executed with cause upon written notice to MUNICIPALITY.

7. This Agreement may not be modified or amended except in writing signed by duly authorized representatives of both MUNICIPALITY and DEPARTMENT. This Agreement may not be assigned by either party without the prior written authorization of the other party. This Agreement should not be construed to confer any rights upon any other persons or entities of any kind not a party hereto.

8. This Agreement shall be binding and inure to the benefit of the successors and assigns of MUNICIPALITY and DEPARTMENT.

9. All work authorized by this AGREEMENT, and approved by the DEPARTMENT, shall be subject to all applicable laws, rules, and regulations, and the MUNICIPALITY shall also ensure that all design plans, specifications, estimates of costs, construction, utility relocation work, right-of-way acquisition procedures, acceptance of work and procedures in general shall, at all times, conform to all applicable and state laws, rules and regulations, orders and approvals, including specifically the procedures and requirements relating to labor standards, equal employment opportunity, non-discrimination, anti-solicitation, information, auditing and reporting provisions. The MUNICIPALITY shall comply, and cause its consultant(s) and contractor(s) to comply, with the conditions set forth in the Commonwealth of Pennsylvania's"

- A. Nondiscrimination / Sexual Harassment Clause;
- B. Contractor Integrity Provisions;
- C. Provisions Concerning the Americans with Disabilities Act; and,
- D. Contractor Responsibility Provisions;

all of which are incorporated into this AGREEMENT by reference, and attached as Exhibits "A", "B", "C", and "D", respectively.

10. The Pennsylvania Right-to-Know Law, 65 P.S. §§ 67.101—3104, applies to this AGREEMENT. Therefore, this AGREEMENT is subject to, and the MUNICIPALITY shall comply with, the clause entitled Contract Provisions – Right to Know Law, attached as Exhibit “E” and made a part of this AGREEMENT. As used in Exhibit “E”, the term “Contractor” refers to the MUNICIPALITY.



IN WITNESS WHEREOF, the parties have caused these presents to be executed, by their duly authorized officials, on the date first above written.

ATTEST:

By \_\_\_\_\_ Date by \_\_\_\_\_ Date

\_\_\_\_\_ Title \_\_\_\_\_ Title

*If a Corporation, the President or Vice President must sign and the Secretary, Treasurer, Assistant Secretary or Assistant Treasurer must attest; if a sole proprietorship, only the owner must sign; if a partnership, only one partner need sign; if a limited partnership, only the general partner must sign.*

=====
Do not write below this line – for Commonwealth use only

**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION**

by \_\_\_\_\_
Melissa J. Batula, P.E. Date
Deputy Secretary for Highway Administration

APPROVED AS TO LEGALITY
AND FORM

PRELIMINARILY APPROVED

by \_\_\_\_\_
Chief Counsel Date

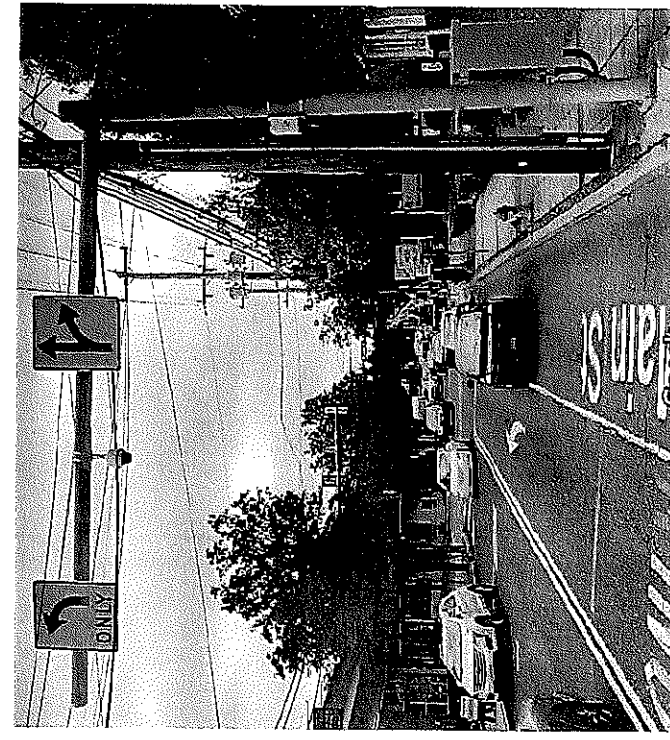
by \_\_\_\_\_
Assistant Counsel Date

by \_\_\_\_\_
Deputy Attorney General Date

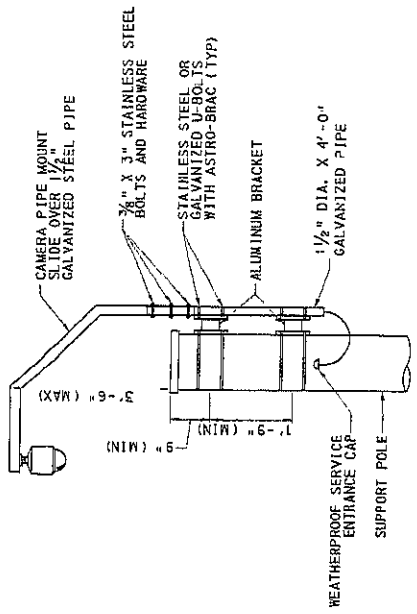
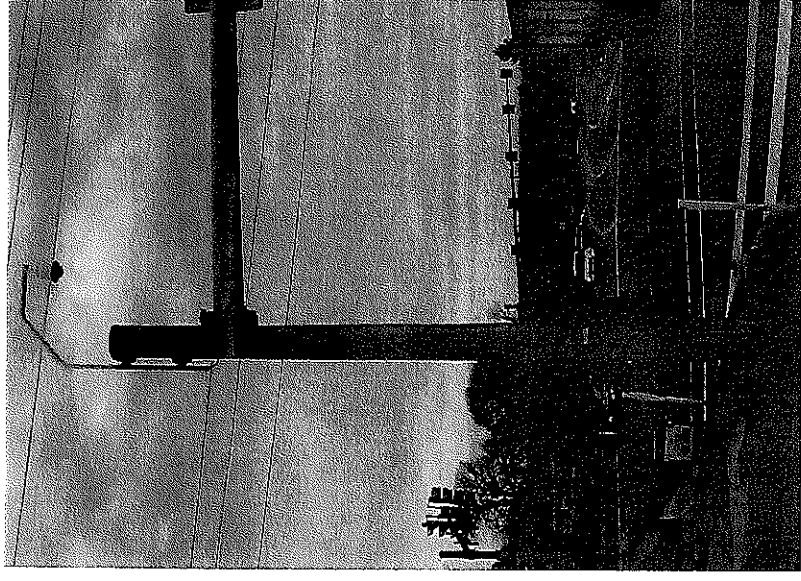
Funds Commitment Document Number
Certified Funds Available under SAP Number
SAP Cost Center
GL Account
Amount
SAP Vendor Number

by \_\_\_\_\_
Deputy General Counsel Date

by \_\_\_\_\_
for Comptroller Date



Proposed mounting type for CM-4036, CM-4037, and CM-2315 locations only

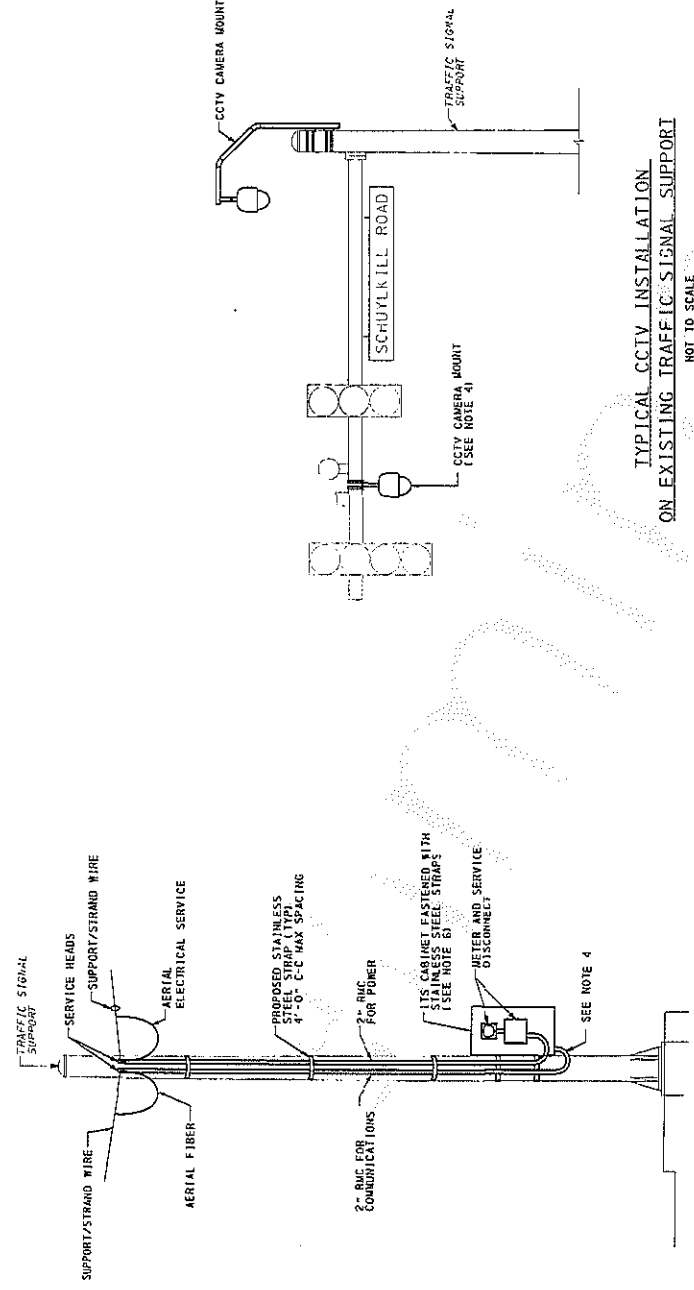


CCTV CAMERA ATTACHMENT TO EXISTING TRAFFIC SIGNAL STRUCTURE  
 NOT TO SCALE

PennDOT ITS Standards ITS-1210

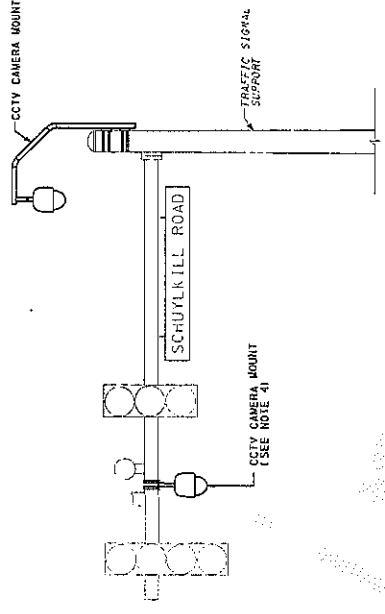
# Traffic Signal Mounted CCTV Camera Example

PROJECT	CONTRACT	ROUTE	SECTION	SHEET
BERKS/CHESTER/MONTGOMERY	0422	MTB	82	OF 96
COUNTY, TWP, SE, ZWELAND TWP, LIMERICK TWP, CHESTER TWP, SCHUYLKILL TWP, POTTSTOWN BOROUGH, H CONVENT TWP, UPPER MERION TWP, UPPER PROVIDENCE TWP, SCHUYLKILL TWP, UPPER MERION TWP, WEST POTTSBORO TWP, WEST ROBERTON TWP, WEST POTTSBORO TWP				
REVISION NUMBER	REVISIONS	DATE	BY	



TYPICAL CCTV INSTALLATION WITH AERIAL FEED  
EXTERNAL VERTICAL CONDUIT

- NOT TO SCALE
- NOTES:**
1. PROVIDE MATERIALS OR FINISH COAT FOR ALL EXPOSED CONDUITS, STRAPS, AND CABINET TO MATCH EXISTING STRUCTURE COLOR.
  2. INSTALL CONDUITS IN ACCORDANCE WITH ITS-1200 AND BASED ON FIELD CONDITIONS. INSTALL FIBER OPTIC DROP CABLE AND ITS DEVICE CONTROL CABLES IN COMMUNICATIONS CONDUIT.
  3. INSTALL METER AND SERVICE DISCONNECT IN ACCORDANCE WITH ITS-1200 AND BASED ON FIELD CONDITIONS. SERVICE CABLES MUST CONNECT TO METER AND DISCONNECT BEFORE ENTERING CABINET.
  4. ACCOMMODATE MINIMUM BENDING RADIUS OF FIBER OPTIC CABLE.



TYPICAL CCTV INSTALLATION  
ON EXISTING TRAFFIC SIGNAL SUPPORT

- NOT TO SCALE
- NOTES:**
1. SERVICE WIRING AND APPURTENANT ATTACHMENTS OMITTED FOR CLARITY.
  2. CCTVCAMERA MOUNTS SHOWN FOR ILLUSTRATION ONLY. INSTALL PER MANUFACTURER REQUIREMENTS AND IN ACCORDANCE WITH ITS-1200.
  3. OBTAIN TRAFFIC UNIT APPROVAL OF CCTV ORIENTATION PRIOR TO INSTALLATION.
  4. APPLICABLE TO CM-4036, CM-4037, AND CM-2315 LOCATIONS ONLY. COORDINATE WITH TRAFFIC UNIT FOR EXACT MOUNTING LOCATION ALONG MAST ARM. MAINTAIN 17'-6" MINIMUM VERTICAL CLEARANCE OVER ROADWAY.



Capital Equip

**Anthony Hamaday**

---

**From:** Scott Widenhofer  
**Sent:** Wednesday, April 1, 2020 12:23 PM  
**To:** Anthony Hamaday; Nick Hiriak  
**Subject:** Account

Tony, the police would like to get started with the upgrades to their conference room so I am looking to see where I can take the funds from the cost is \$8,041.33. As you know we met with Lerro that day and Don has a few questions to ask yet. Lerro needs to be bring an engineer in to look at Freedom Hall and I believe that is getting done tomorrow at 1400. As of right now it would probably be 4 weeks before they could get started with the police conference room. Obviously they are slow with installs right now since 80% of their customers are closed.

But here is a rough idea of the pricing for the following rooms there will be some additional pricing for electric and Cat6

Boardroom	\$9,631.07
Admin conference room	\$7,162.13
Public Works	\$7,162.13
Total	<del>\$23,955.33</del> 31,996.66

Thanks

Scott Widenhofer  
Upper Merion Township  
610-205-8529

---

Video Equip. + Install

WAS ex ASPEN  
1,000 SUBSCRIBERS \$636/yr  
1 2 hosts

## Anthony Hamaday

---

**From:** Geoff Hickman  
**Sent:** Thursday, April 9, 2020 9:26 AM  
**To:** Anthony Hamaday  
**Cc:** Rob McKernan; Rick L Hoy  
**Subject:** FW: WPCC Paint and Coatings Contract Award  
**Attachments:** WPCC Painting Maintenance Project - Award Recommendation.xlsx

Tony,

FYI,

Here is the list of all bid items.

Thanks,

Geoff Hickman



Director of Public Works  
Upper Merion Township  
175 West Valley Forge Road  
King of Prussia, PA 19406  
E: [ghickman@umtownship.org](mailto:ghickman@umtownship.org)  
O: 610.205.8501

**From:** Geoff Hickman  
**Sent:** Thursday, April 9, 2020 9:22 AM  
**To:** Anthony Hamaday <[ahamaday@umtownship.org](mailto:ahamaday@umtownship.org)>; Cathy Dolan <[cdolan@umtownship.org](mailto:cdolan@umtownship.org)>  
**Cc:** Nick Hiriak <[nhiriak@umtownship.org](mailto:nhiriak@umtownship.org)>; Rob McKernan <[rmckernan@umtownship.org](mailto:rmckernan@umtownship.org)>; Rick L Hoy <[rhoy@umtownship.org](mailto:rhoy@umtownship.org)>  
**Subject:** WPCC Paint and Coatings Contract Award

Tony,

Here is the verbiage for the BOS Meeting Agenda:

Bid Award – Water Pollution Control Center Painting Maintenance Project for buildings and process equipment at Matsunk WPCC and Trout Run WPCC to G. C. Zarnas of Bethlehem, PA in the amount of \$1,104,540.00 for the following bid items:

- Matsunk WPCC: Bid Items 1 and 2 totaling \$712,424.00
- Trout Run WPCC: Bid Items 7, 8, 16, 17, 18, 19, 20, and 21 in the amount of \$429,381.00
- Bid Alternate A: Deductive alternate in the amount of -\$37,265.00

FYI, the 2020 capital budget line items for this project have the funds in the amount of \$717,859.29 (Matsunk WPCC) and \$492,859.29 (Trout Run WPCC).

	Description	UOM	Quantity	G.C. Zarnas & Co., Inc.	
Bid Price Ratio				100%	
Total				\$2,251,663.44	
Matsunk Water Pollution Control Center (WPCC) Items				\$1,115,992.44	Staff Award Recommendation
1	FLOW EQUALIZATION TANK INTERIOR: Coating Systems 5 & 6	Lump Sum	1	\$694,616.00	\$694,616.00
2	FLOW EQUALIZATION TANK CAST IRON PIPING: Application of Coating System 4	Lump Sum	1	\$17,808.00	\$17,808.00
3	All Work for: INFLUENT CHANNEL: Application of Coating System 5 as described in the Specifications	Lump Sum	1	\$99,870.00	
4	All work for: CHLORINE CONTACT TANK INTERIOR AND CATWALK: Application of Coating System 5 &17, and as described in the Specifications	Lump Sum	1	\$235,401.00	
5	All work for: CHLORINE CONTACT TANK SLUICE GATE REPLACEMENT: as described in the Specifications	Each	2	\$50,000.00	
6	All Work for: TRICKLING FILTER LOUVER WATER-PROOFING SEALANT: Application of Coating System 16 and as described in the Specifications	Each	112	\$18,297.44	
	<b>Matsunk WPCC Total</b>				<b>\$712,424.00</b>
Trout Run Water Pollution Control Center (WPCC) Items				\$1,071,077.00	
7	PRIMARY CLARIFIER CATWALK AND MOTOR DRIVE: Coating Systems 1 & 2	Lump Sum	1	\$15,656.00	\$15,656.00
8	PRIMARY CLARIFIER TANK, STILLING WELL, & AGITATOR: Coating System 4 & 5	Lump Sum	1	\$295,494.00	\$295,494.00
9	All work for: SECONDARY CLARIFIER CATWALK & MOTOR DRIVE: Application of Coating System 1 & 2 and as described in the Specifications	Lump Sum	1	\$15,712.00	
10	All work for: SECONDARY CLARIFIER TANK, STILLING WELL, & AGITATOR: Application of Coating Systems 4 & 5, and as described in the Specifications	Lump Sum	1	\$229,054.00	
11	All work for: SLUDGE THICKENER CATWALK & MOTOR DRIVE: Application of Coating Systems 1 & 2, and as described in the Specifications	Lump Sum	1	\$11,152.00	
12	All work for: SLUDGE THICKENER TANK, STILLING WELL, SCRAPERS & SKIMMING MECHANISM: Application of Coating Systems 4 & 5, repair of scum box, and as described in the Specifications	Lump Sum	1	\$62,429.00	
13	SOLIDS CONTACT TANK: REPLACEMENT PIPE SUPPORTS AND PIPE COATING: Coating System 4	Lump Sum	1	\$14,255.00	
14	All work for: CHLORINE CONTACT TANK: Application of Coating System 5, and as described in the Specifications	Lump Sum	1	\$273,094.00	
15	All work for: CHLORINE CONTACT TANK SLUICE GATE REPLACEMENT	Each	2	\$36,000.00	
16	PRESS GARAGE MASONRY REPAIR & SEALING: Coating System 9	Lump Sum	1	\$22,441.00	\$22,441.00
17	MAINTENANCE GARAGE MASONRY REPAIR & SEALING: Coating System 9	Lump Sum	1	\$23,935.00	\$23,935.00
18	OPERATIONS BUILDING MASONRY REPAIR & SEALING: Coating System 9	Lump Sum	1	\$16,058.00	\$16,058.00
19	MAIN PUMP STATION MASONRY REPAIR & SEALING: Coating System 9	Lump Sum	1	\$15,995.00	\$15,995.00
20	INCINERATOR BUILDING MASONRY REPAIR & SEALING: Coating System 9	Lump Sum	1	\$23,935.00	\$23,935.00
21	ELECTRICAL SUBSTATION: Coating System 11	Lump Sum	1	\$15,867.00	\$15,867.00
	<b>Trout Run WPCC Total</b>				<b>\$429,381.00</b>
A	All work for: TROUT RUN PRIMARY CLARIFIER TANK, STILLING WELL, & AGITATOR: Application of Coating System 7 (Coal Tar), and as described in the Specifications. NOTE: Bidder should indicate whether this is an add/deduct item in the Comment Field. If deduct, enter a negative number.	Lump Sum	1	(\$37,285.00)	\$37,265.00
B	All work for: TROUT RUN SECONDARY CLARIFIER TANK, STILLING WELL, & AGITATOR: Application of Coating Systems 7 (Coal Tar), and as described in the Specifications. NOTE: Bidder should indicate whether this is an add/deduct item in the Comment Field. If deduct, enter a negative number.	Lump Sum	1	(\$27,329.00)	
C	All work for: SLUDGE THICKENER TANK, STILLING WELL, SCRAPERS & SKIMMING MECHANISM: Application of Coating System 7 (Coal Tar), repair of scum box, and as described in the Specifications. NOTE: Bidder should indicate whether this is an add/deduct item in the Comment Field. If deduct, enter a negative number.	Lump Sum	1	\$0.00	
Alternates				\$64,594.00	
				<b>Award Total</b>	<b>\$1,104,540.00</b>

Bid Price Ratio	Description	UOM	Quantity	G.C. Zamas & Co., Inc.	
Total				100%	\$2,251,663.44
Matsunk Water Pollution Control Center (WPCC) Items					\$1,115,992.44
					Staff Award Recommendation
1	FLOW EQUALIZATION TANK INTERIOR: Coating Systems 5 & 6	Lump Sum	1	\$694,616.00	\$694,616.00
2	FLOW EQUALIZATION TANK CAST IRON PIPING: Application of Coating System 4	Lump Sum	1	\$17,808.00	\$17,808.00
3	All work for: INFLUENT CHANNEL: Application of Coating System 6 as described in the Specifications	Lump Sum	1	\$99,870.00	
4	All work for: CHLORINE CONTACT TANK INTERIOR AND CATWALK: Application of Coating System 5 & 17, and as described in the Specifications	Lump Sum	1	\$235,401.00	
5	All work for: CHLORINE CONTACT TANK SLUICE GATE REPLACEMENT: as described in the Specifications	Each	2	\$50,000.00	
6	All work for: TRICKLING FILTER LOUVER WATER-PROOFING SEALANT: Application of Coating System 16 and as described in the Specifications	Each	112	\$18,297.44	
	<b>Matsunk WPCC Total</b>				<b>\$712,424.00</b>
	Trout Run Water Pollution Control Center (WPCC) Items			\$1,071,077.00	
7	PRIMARY CLARIFIER CATWALK AND MOTOR DRIVE: Coating Systems 1 & 2	Lump Sum	1	\$15,656.00	\$15,656.00
8	PRIMARY CLARIFIER TANK, STILLING WELL, & AGITATOR: Coating System 4 & 5	Lump Sum	1	\$295,494.00	\$295,494.00
9	All work for: SECONDARY CLARIFIER CATWALK & MOTOR DRIVE: Application of Coating System 1 & 2 and as described in the Specifications	Lump Sum	1	\$15,712.00	
10	All work for: SECONDARY CLARIFIER TANK, STILLING WELL, & AGITATOR: Application of Coating Systems 4 & 5, and as described in the Specifications	Lump Sum	1	\$229,054.00	
11	All work for: SLUDGE THICKENER CATWALK & MOTOR DRIVE: Application of Coating Systems 1 & 2, and as described in the Specifications	Lump Sum	1	\$11,152.00	
12	All work for: SLUDGE THICKENER TANK, STILLING WELL, SCRAPERS & SKIMMING MECHANISM: Application of Coating Systems 4 & 5, repair of scum box, and as described in the Specifications	Lump Sum	1	\$62,429.00	
13	SOLIDS CONTACT TANK: REPLACEMENT PIPE SUPPORTS AND PIPE COATING: Coating System 4	Lump Sum	1	\$14,255.00	
14	All work for: CHLORINE CONTACT TANK: Application of Coating System 5, and as described in the Specifications	Lump Sum	1	\$273,094.00	
15	All work for: CHLORINE CONTACT TANK SLUICE GATE REPLACEMENT	Each	2	\$36,000.00	
16	PRESS GARAGE MASONRY REPAIR & SEALING: Coating System 9	Lump Sum	1	\$22,441.00	\$22,441.00
17	MAINTENANCE GARAGE MASONRY REPAIR & SEALING: Coating System 9	Lump Sum	1	\$23,935.00	\$23,935.00
18	OPERATIONS BUILDING MASONRY REPAIR & SEALING: Coating System 9	Lump Sum	1	\$16,058.00	\$16,058.00
19	MAIN PUMP STATION MASONRY REPAIR & SEALING: Coating System 9	Lump Sum	1	\$15,995.00	\$15,995.00
20	INCINERATOR BUILDING MASONRY REPAIR & SEALING: Coating System 9	Lump Sum	1	\$23,935.00	\$23,935.00
21	ELECTRICAL SUBSTATION: Coating System 11	Lump Sum	1	\$15,867.00	\$15,867.00
	<b>Trout Run WPCC Total</b>				<b>\$429,381.00</b>
A	All work for: TROUT RUN PRIMARY CLARIFIER TANK, STILLING WELL, & AGITATOR: Application of Coating System 7 (Coal Tar), and as described in the Specifications. NOTE: Bidder should indicate whether this is an add/deduct item in the Comment Field. If deduct, enter a negative number.	Lump Sum	1	(\$37,265.00)	\$37,265.00
B	All work for: TROUT RUN SECONDARY CLARIFIER TANK, STILLING WELL, & AGITATOR: Application of Coating Systems 7 (Coal Tar), and as described in the Specifications. NOTE: Bidder should indicate whether this is an add/deduct item in the Comment Field. If deduct, enter a negative number.	Lump Sum	1	(\$27,329.00)	
C	All work for: SLUDGE THICKENER TANK, STILLING WELL, SCRAPERS & SKIMMING MECHANISM: Application of Coating System 7 (Coal Tar), repair of scum box, and as described in the Specifications. NOTE: Bidder should indicate whether this is an add/deduct item in the Comment Field. If deduct, enter a negative number.	Lump Sum	1	\$0.00	
Alternates				\$64,594.00	
				<b>Award Total</b>	<b>\$1,104,540.00</b>





THOMAS M. NOLAN  
CHIEF OF POLICE

## UPPER MERION TOWNSHIP POLICE DEPARTMENT

175 WEST VALLEY FORGE ROAD  
KING OF PRUSSIA, PA 19406-1802  
Business: 610-265-3232

### MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is entered into by and between Upper Merion Township and the King of Prussia Mall concerning police coverage for the King of Prussia Mall in the year 2020.

- 1) The Upper Merion Township Police Department recognizes the King of Prussia Mall's importance to the community and region. The Upper Merion Township Police Department agrees to provide a high level of policing to the King of Prussia Mall on a 24/7 basis, 365 days per year.
- 2) The Upper Merion Township Police Department shall provide two uniformed police officers to patrol the interior of the King of Prussia Mall on Fridays and Saturdays from 6:00 PM to 10:00 PM, 52 weeks per year. These details will be compensated at the current off-duty detail rate.
  - a. For the year 2020 this will be:  $832 \text{ hours} \times \$89.50 = \$74,464$ 
    - i. If additional officers are added to the detail it will be calculated at the above rate.
- 3) The King of Prussia Mall provides the Upper Merion Township Police Department with a police substation at the Plaza, with 24/7 access for the police to perform their duties.
  - a. The maintenance and cleaning costs of the substation will be funded by the King of Prussia Mall.
- 4) The King of Prussia Mall acknowledges that the activities at the mall complex impacts the resources (both sworn and non-sworn) of the Upper Merion Township Police Department. The King of Prussia Mall agrees to pay an impact fee to Upper Merion Township and an administrative fee for the year 2020.
  - a. 50% of base patrolman salary of \$111,994.96
    - i. \$55,997
  - b. An administrative fee of \$2,000 for non-sworn administrative activities

5) The total cost for 2020 will be as follows:


- a. Weekend Details : \$74,464
- b. Impact Fee: \$55,997
- c. Administrative Fee: \$2,000
- d. Total Cost: \$132,461

6) This fee will be paid in equal monthly installments of \$11,038.41.

This Agreement (i) shall inure to the benefit of each of the parties hereto and their predecessors, successors and assigns, (ii) constitutes the entire agreement among the parties pertaining to the subject matter contained in this Agreement and supersedes all prior and contemporaneous agreements of the parties, (iii) cannot be amended, modified, or supplemented except by a writing signed by all parties hereto and (iv) may be executed in one (1) or more counterparts, each of which shall be deemed an original, but all of which taken together shall constitute one and the same agreement. Any counterpart of this Agreement may be delivered via facsimile, email or other electronic transmission, and shall be legally binding upon the parties hereto to the same extent as originals.

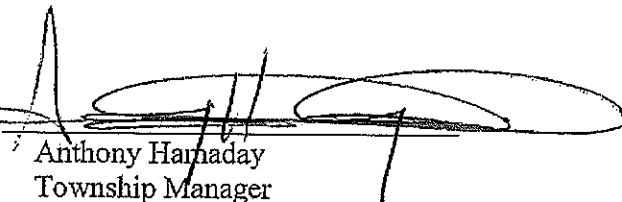
IN WITNESS WHEREOF, the parties hereof have executed this Agreement as of October 30, 2019.

**UPPER MERION TOWNSHIP POLICE DEPARTMENT**

By:   
Thomas Nolan  
Chief of Police

Date: 11/4/19

**UPPER MERION TOWNSHIP**

By:   
Anthony Harnaday  
Township Manager

Date: 10/31/19

**KING OF PRUSSIA MALL**

By:   
Robert Hart  
Mall Manager

Date: 11/7/19