

RFP RESPONSE FORM

Line Item Requirements

1) ATR Annual Lease – Classification / Volume / Speed collection – This pay item will be for the lease of contractor provided ATR equipment. The pay item includes all costs associated with connection, operation and maintenance of the equipment. The lease payment will be based on the amount of valid data produced as per paragraph 4.13. Payment will be made monthly at 1/12th the annual rate.

2) ATR Annual Lease – Volume / Speed collection – This pay item will be for the lease of contractor provided ATR equipment. The pay item includes all costs associated with connection, operation and maintenance of the equipment. The lease payment will be based on the amount of valid data produced as per paragraph 4.13. Payment will be made monthly at 1/12th the annual rate. The contractor shall identify in its proposal any proposed price increases for the addition of new counters at various points in the contract. If none are made, the price quoted shall be valid for all new counters added for the length of the contract.

3) ATR Annual Lease – WIM data addition – This pay item is for the additional fee for lease of contractor provided ATR equipment that includes the WIM electronics. For WIM sites that are also collecting classification, volume and speed data, this will be paid in addition to pay item 1. The lease payment will be based on the amount of valid WIM data produced as **per** paragraph 4.13. Payment will be made monthly at 1/12th the annual rate. The contractor shall identify in its proposal any proposed price increases for the addition of new counters at various points in the contract. If none are made, the price quoted shall be valid for all new counters added for the length of the contract.

4) RTMS Annual Lease – This pay item is for lease of contractor provided RTMS equipment that includes the ATR electronics. For ATR sites that are also collecting volume and speed data, the lease payment will be based on the amount of valid RTMS data produced as per paragraph 4.13. Payment will be made monthly at 1/12th the annual rate. The contractor shall identify in its proposal any proposed price increases for the addition of new counters at various points in the contract. If none are made, the price quoted shall be valid for all new counters added for the length of the contract.

5) ATR Annual Lease – Real-Time data addition – This pay item is for the additional fee for lease of contractor provided ATR equipment that has the Real-Time feature enabled only during the Hurricane season (June 1 – November 30). This pay item will be paid in addition to pay item 1. The lease payment will be based upon the amount of valid Real-Time data produced as per paragraph 4.13. Payment will be made monthly only during hurricane season (June 1 – November 30) at 1/12th the annual rate. The contractor shall identify in its proposal any proposed price increases for the addition of Real-Time data at various points in the contract. If none are made, the price quoted shall be valid for all new additions added for the length of the contract.

6) Modem Annual Lease – This pay item will be for the lease of contractor provided landline modem equipment. The pay item includes all costs associated with connection, operation and maintenance of the equipment. The lease payment will be based on the amount of valid data produced as per paragraph 4.13. Payment will be made monthly at 1/12th the annual rate.

7) Operation and Maintenance of GDOT ATR & Modem Equipment. This pay item will be for the operation and maintenance of GDOT provided ATR and modem equipment. The contractor will be responsible for all counter activity, to include parts replacement and repair, just as they would under pay items 1 and 2. The payment will be based on the amount of valid data produced as per paragraph 4.13. Payment will be made monthly at 1/12th the annual rate.

8) CDMA Modem Annual Lease – This pay item will be for the lease of contractor provided CDMA modem equipment and associated components (12-volt solar panel and regulator). The pay item

includes all costs associated with connection, operation and maintenance of the equipment. The lease payment will be based on the amount of valid data produced as per paragraph 4.13. Payment will be made monthly at 1/12th the annual rate.

9) Mobilization; Interstate Location – This pay item is for mobilization to an Interstate ATR site for installation or repair. Mobilization is defined as the charge to take one fully outfitted maintenance/construction work crew to the work site for the duration of time necessary to complete all work assignments at that work site. Mobilization charges shall include Maintenance of Traffic (MOT) costs.

10) Mobilization; Non-Interstate Location – This pay item is for mobilization to a non-Interstate ATR site for installation or repair. Mobilization is defined as the charge to take one fully outfitted maintenance/construction work crew to the work site for the duration of time necessary to complete all work assignments at the work site. Mobilization charges shall include Maintenance of Traffic (MOT) costs.

11) Mobilization; No MOT – This pay item is for mobilization to a location for work that does not include lane closures. This pay item would normally be associated with a work crew performing tasks on the shoulder of the road only such as replacement of cabinets, poles, grounding or maintaining vegetation. The pay item will be per work crew per day. If multiple locations are visited in one day, the pay item will be paid only once per day. It is not for technician work performing service calls, counter repair, site inspections, sensor marking, data retrieval, solar panel replacement or other work associated with a single technician working alone.

12) Flaggers Required – This pay item is for use at ATR sites where flag personnel are required by the MUTCD. This pay item will be in addition to the amount paid for the mobilization by type of ATR sites (Pay Item 10). The purpose of this pay item is to reimburse for costs related to the required flagging operations. GDOT will not pay “Mobilization; Flaggers Required” if personnel who are normally assigned to the construction crew are diverted to flagging operations or if contract management, technical or administrative personnel are used as flaggers. The intent is to cover costs related to hiring additional personnel on a short-term basis used only to perform the flagging operation.

13) Mobilization; Shoulder Closure required – This pay item is for mobilization to a location for work that does not include lane closures. This pay item would normally be associated with a work crew performing tasks on the shoulder of the road only such as replacement of cabinets, poles, grounding or maintaining vegetation. It is not for technician work performing service calls, counter repair, site inspections, sensor marking, data retrieval, solar panel replacement or other work associated with a single technician working alone.

14) Message Board – This pay item is in addition to pay items 9 and 10 when a message board is required per MUTCD.

15) Police Services -- This pay item is for use when local police services are required.

16 – 23) pay items are for 1 to 8 lane installation of a complete new Portable Traffic Monitoring Systems (PTMS) volume sites. These pay items are for the furnishing of materials and installing of PTMS volume sites. All materials and labor including but not limited to loop wire, a 6x6 post, solar panel, and pull boxes will be provided and installed in a professional manner. This includes labor and materials to install cabinets. All conduit and trenching will be included if the physical distance is less than 75 feet. The distance will be measured in a straight-line fashion starting at the sensor array midpoint on the shoulder of the roadway to the cabinet post. After the 75 foot point, any additional trenching and conduit will be paid in 10 foot units. The pay item also includes all labor and materials such as grass seed and straw required for grounds keeping to return the location to pre-construction condition.

24 – 31) pay items are for 1 to 8 lane installation of a complete new PTMS Portable Traffic Monitoring System (PTMS) classification sites. These pay items are for the furnishing of materials and installing of

PTMS classification sites. All materials and labor including but not limited to loop wire, a 6x6 post, solar panel, and pull boxes will be provided and installed in a professional manner. This includes labor and materials to install piezos and cabinets. All conduit and trenching will be included if the physical distance is less than 75 feet. The distance will be measured in a straight-line fashion starting at the sensor array midpoint on the shoulder of the roadway to the cabinet post. After the 75 foot point, any additional trenching and conduit will be paid in 10 foot units. The pay item also includes all labor and materials such as grass seed and straw required for grounds keeping to return the location to pre-construction condition.

32 – 39) pay items are for 1 to 8 lane installation of a complete new Volume ATR sites. These pay items are for the furnishing of materials and installing volume ATR sites. All materials and labor including but not limited to 6x6 post, solar panel, loop wire and pull boxes will be provided and installed in a professional manner. This includes labor and materials to install cabinets. All conduit and trenching will be included if the physical distance is less than 75 feet. The distance will be measured in a straight-line fashion starting at the sensor array midpoint on the shoulder of the roadway to the cabinet post. After the 75 foot point, any additional trenching and conduit will be paid in 10 foot units. The pay item also includes all labor and materials such as grass seed and straw required for grounds keeping to return the location to pre-construction condition.

40 - 47) pay items are for 1 to 8 lane installation of a complete new Classification ATR sites. These pay items are for the furnishing of materials and installing of Classification ATR sites. All materials and labor including but not limited to loop wire, a 6x6 post, solar panel, and pull boxes will be provided and installed in a professional manner. This includes labor and materials to install piezos and cabinets. All conduit and trenching will be included if the physical distance is less than 75 feet. The distance will be measured in a straight-line fashion starting at the sensor array midpoint on the shoulder of the roadway to the cabinet post. After the 75 foot point, any additional trenching and conduit will be paid in 10 foot units. The pay item also includes all labor and materials such as grass seed and straw required for grounds keeping to return the location to pre-construction condition.

48 - 51) pay items are for 1 to 4 lane installation of a complete new WIM sites. These pay item are for the furnishing of materials and installing WIM sites. All materials and labor including but not limited to 6x6 post, cabinet, solar panel, in road sensors and pull boxes will be provided and installed in a professional manner. This includes labor and materials to install piezos and cabinets. All conduit and trenching will be included if the physical distance is less than 75 feet. The distance will be measured in a straight-line fashion starting at the sensor array midpoint on the shoulder of the roadway to the cabinet post. After the 75 foot point, any additional trenching and conduit will be paid in 10 foot units. The pay item also includes all labor and materials such as grass seed and straw required for grounds keeping to return the location to a pre-construction condition.

52) Calibrate 1 lane WIM station. This pay item is for calibrating a newly installed 1 lane WIM station and also for periodic recalibration of existing 1-lane WIM stations. Contractor shall calibrate WIM station according to ASTM E1318-02 which requires two test trucks, at least one of which is a class 9, 5 axle tractor trailer, loaded to at least 90% of GVWR, making multiple test runs at various speeds. Contractor is responsible for providing the loaded test trucks and drivers, static weighing and measuring the trucks, recording the data for each run, and making adjustments to the WIM calibration. All data recorded shall be provided to GDOT including documentation of any calibration adjustments.

53) Calibrate additional lanes of WIM equipment; per lane. This pay item is for calibrating a newly installed WIM lane and also for periodic recalibration of existing WIM lanes. The pay item will be for all lanes of WIM after the first WIM lane pay item (Item 52) and will be paid for each additional WIM lane calibrated.

54) A - Laborer – The laborer shall be a member of a crew that generally performs the roadway construction work and or other hands-on tasks (i.e. digging, mixing and forming concrete)

B - Technician / Electrician – The technician or electrician shall be skilled in the use of the ATR and/or modem, solar panel and general electronics.

C – Supervisor / Foreman – The Supervisor/Foreman shall be Traffic Control Certified and on-site when any lane closure is in place. This person must be skilled in all facets of the ATR construction and maintenance program.

55) Install / replace complete set of classification road sensors per lane. A classification site consists of two inductive loops and one piezoelectric sensor. This pay item is for the furnishing of materials and installing of classification sites. All materials and labor including but not limited to loop wire and sealants will be provided and installed in a professional manner. This includes labor and materials to install piezos and making connections through existing junction boxes to existing traffic cabinet. All conduit and trenching will be included if the physical distance is less than 75 feet. The distance will be measured in a straight-line fashion starting at the sensor array midpoint on the shoulder of the roadway to the cabinet post. After the 75 foot point, any additional trenching and conduit will be paid in 10 foot units. The pay item also includes all labor and materials such as grass seed and straw required for grounds keeping to return the location to pre-construction condition.

56) Install / replace complete set of volume road sensors per lane. A volume site consists of two inductive loops. This pay item is for the furnishing of materials and installing of volume sites. All materials and labor including but not limited to loop wire and sealants will be provided and installed in a professional manner. This includes making connections through existing junction boxes to existing traffic cabinet. All conduit and trenching will be included if the physical distance is less than 75 feet. The distance will be measured in a straight-line fashion starting at the sensor array midpoint on the shoulder of the roadway to the cabinet post. After the 75 foot point, any additional trenching and conduit will be paid in 10 foot units. The pay item also includes all labor and materials such as grass seed and straw required for grounds keeping to return the location to pre-construction condition.

57 A) Install / replace complete set of WIM road sensors per lane. A WIM site consists of two inductive loops and two piezoelectric sensors. This pay item is for the furnishing of materials and installing of WIM sites. All materials and labor including but not limited to loop wire and sealants will be provided and installed in a professional manner. This includes labor and materials to install piezos and making connections through existing junction boxes to existing traffic cabinet. All conduit and trenching will be included if the physical distance is less than 75 feet. After the 75 foot point, any additional trenching and conduit will be paid in 10 foot units. The pay item also includes all labor and materials such as grass seed and straw required for grounds keeping to return the location to a pre-construction condition.

57B) Install / replace WIM sensor. Install / replace Weigh-In-Motion (WIM) sensor. This pay item is for furnishing and installing one WIM sensor and making connections through existing junction boxes to existing traffic cabinet. All conduit and trenching will be included if the physical distance is less than 10 feet. After the 10 foot point, any additional trenching and conduit will be paid in 10 foot units. The pay item also includes all labor and materials such as grass seed and straw required for grounds keeping to return the location to a preconstruction condition.

57C) Remove WIM Sensor / Fill with Grout. This pay item is for removing an existing WIM sensor and filling the slot with grout material.

58 – 59) Install / replace one or two inductive loops. These pay item are for the furnishing of materials and installation of inductive loop(s) and makes connections through existing junction boxes to existing traffic cabinet. All conduit and trenching will be included if the physical distance is less than 75 feet. After the 75 foot point, any additional trenching and conduit will be paid in 10 foot units. The pay item also includes all labor and materials such as grass seed and straw required for grounds keeping to return the location to a pre-construction condition.

60 – 61) Install / replace one or two piezoelectric sensors. These pay item are for the furnishing of materials and installing piezoelectric sensor(s) and making connections through existing junction boxes to

existing traffic cabinet. All conduit and trenching will be included if the physical distance is less than 75 feet. After the 75 foot point, any additional trenching and conduit will be paid in 10 foot units. The pay item also includes all labor and materials such as grass seed and straw required for grounds keeping to return the location to a pre-construction condition.

61A) Remove sensor and fill with grout at sites no longer in use or relocation of sensor within existing sites.

62) Install / replace cabinet and pole assembly. This pay item is for furnishing one pole and installing one cabinet and making all connections within the cabinet. The pay item also includes all labor and materials such as grass seed and straw required for ground keeping to return the location to a pre-construction condition.

63) Install / furnish 6"x6" wooden 20 foot pressure treated pole.

64) Install / replace post. This pay item is for furnishing and installing one wood post and connecting an existing cabinet. The pay item also includes all labor and materials such as grass seed and straw required for grounds keeping to return the location to a pre-construction condition as well as disposition of existing pole.

65) Remove / dispose of post and cabinet. This pay item is for removing and disposing of an existing wooden pole, disconnecting associated equipment, removing cabinet and returning it to contractor warehouse for future use.

66) Install / replace solar panel. This pay item is for furnishing and installing one solar panel and making connections.

67) Upgrade / Oversize Solar Panel. This pay item is for installing one over-size solar panel and making connections. The contractor shall use a 60-watt size for price planning purposes. Variations on that size will be individually negotiated prior to installation.

68) Install / replace junction box. This pay item is for furnishing and installing one junction box. The pay item also includes all labor and materials such as grass seed and straw required for grounds keeping to return the location to a pre-construction condition as well as disposition of existing junction box.

69) Install / replace concrete platform. This pay item is for installing one concrete platform. The platform shall be installed using A3 concrete 4 inches thick and 2 foot by 3 foot in dimension. The pay item also includes all labor and materials such as grass seed and straw required for grounds keeping to return the location to pre-construction condition.

70) On-Site Data Retrieval. This pay item is for the manual on-site retrieval of traffic data if the contractor is required to retrieve data during periods when autopoll communications with the counter are not possible due to telephone line problems. The pay item will be per ATR site and per visit as requested by the GDOT Project Manager. Note that this may include data collection from two co-located ATRs if the ATR site operates with two. This pay item shall not be used for situations where contractor maintained communications equipment is the cause for the communication failure. If downtime due to an ATR, modem or electronic issue occurs, the data download shall occur without cost to GDOT. Download at time of site inspection, maintenance or preventative maintenance will not be allowed under this pay item.

71 A) Standard / Preferred Method – This pay item is for installation of grounding materials at an existing ATR or WIM site. The pay item is not for inclusion as an additional cost item at a new installation, as grounding is to be included in new installations. See Paragraph 4.21a for a description of the installation method required. Pricing is per 8-foot ground rod installed using this method.

B) Trench Burial Method – This pay item is for installation of grounding materials at an existing ATR or WIM site. The pay item is not for inclusion as an additional cost item at a new installation, as grounding is

to be included in new installations. See Paragraph 4.21b for a description of the installation method required. Pricing will be per 8-foot units using this method.

72) Pavement Repair (Seal / Fill Road cracks at ATR site). This pay item is for completing filling road cracks in the area of ATR sensors as per Paragraph 4.17.a.

73) Maintain Vegetation. This pay item is for maintaining vegetation around ATR locations as **per** Paragraph 4.17.b. Routine trimming and maintenance to ease access, is expected as part of inspection and service call activity where site visits are made and is not to be invoiced under this pay item.

74) Initial ATR site Inspection with GDOT equipment. This pay item is for an initial site inspection visit and is to be used one time only for existing ATR sites and at the beginning of the contract. All sensors and equipment are to be evaluated and operations verified. This pay item is not for use at new sites as they are installed, as the set up and installation of equipment shall be included in the install price.

75) Initial ATR site Inspection with no GDOT equipment. This pay item is for an initial site inspection visit and is to be used one time only for existing ATR sites and at the beginning of the contract. All sensors and equipment are to be evaluated, lease equipment installed and operations verified. This pay item is not for use at new sites as they are installed, as the set up and installation of equipment shall be included in the install price.

76) ATR site Pre-Construction Inspection. This pay item is for conducting ATR site inspections prior to construction or maintenance and shall be performed in accordance with the specifications described in Paragraph 4.16.b.

77) Preventative Maintenance Inspection. This pay item is for conducting a preventative maintenance inspection when requested to do so by the GDOT Project Manager. The inspection shall be performed in accordance with the specifications described in Paragraph 4.17.d.

78) WIM – Routine Inspection (non-MOT). This pay item is for conducting a review and maintenance inspection of WIM sensors and inspection of weigh electronics found in paragraph 4.17.d.

79) WIM – Sensor Profile Inspection & Correction. This pay item is for conducting a review and maintenance inspection of WIM sensors and inspection of weigh electronics and to include roadway sensor maintenance repairs found in Paragraph 4.17.d.

80) Welcome Center Inspection. This pay item is for conducting a survey of the conditions at a GDOT Welcome Center, developing a data collection plan and presenting the plan to the GDOT Project Manager. See Paragraph 4.30.

81) Service Call Charge. This pay item is for service calls that meet the criteria for separate payment as detailed in paragraph 4.14.

82) Service Call Response – 24 Hour. This pay item is for costs related to a faster than normal contract specification (5 days) service call response time. When requested by the GDOT Project Manager, the contractor shall respond to and resolve the data problem, which generated the service call within 24 hours of notice. See paragraph 4.14.

83) Service Call Response – 48 Hour. This pay item is for costs related to a faster than normal contract specification (5 days) service call response time. When requested by the GDOT Project Manager, the contractor shall respond to and resolve the data problem, which regenerated the service call within 48 hours of notice. See Paragraph 4.14.

84) RTMS Support Installation. This pay item is for installing the support system required by GDOT's portable non-intrusive traffic data collection program. See paragraph 4.29.

85) Non-Intrusive Sensor Station Installation – This pay item is for costs related to the installation of a traffic data collection station using non-intrusive technology. The contractor shall include all costs, to include all materials, installation and operation along with a detailed product description. This also includes the installation of the lease equipment. .See paragraph 4.29.

86) A) Trenching – This pay item is for additional trenching above and beyond the listed amounts in the pay items above to be paid in increments of 10 foot.

B) Conduit – This pay item is for additional installation of conduit above and beyond the listed amounts in the pay items above to be paid in increments of 10 foot.

87) ATR Purchase Option. This pay item is for GDOT's optional purchase of contractor owned ATR equipment at the end of contract. If exercised, the purchase will include ATR as well as all peripheral items required to operate the equipment such as batteries connections, regulators and etc.

88) Modem Purchase Option. This pay is for GDOT's optional purchase of contractor owned landline modem communication equipment at the end of contract. If exercised, the purchase will include modem as well as all peripheral items required to operate the equipment.

89) WIM ATR Purchase Option. This pay item is for GDOT's optional purchase of contractor owned WIM ATR equipment at the end of contract. If exercised, the purchase will include ATR as well as all peripheral items required to operate the equipment such as batteries connections, regulators and etc.

90) CDMA Modem Purchase Option. This pay item is for GDOT's optional purchase of contractor owned Modem communications equipment at the end of contract. If exercised, the purchase will include modem as well as all peripheral items required to operate the equipment.