



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0016

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

January 25, 2021
Subject: Traffic Signal Updates
State WIN: 024301.00
Location: **Statewide**
Amendment No. 3

Dear Sir/Ms.:

Please make the following changes to The Bid Documents:

In the Bid Book:

CHANGE on page 14, NOTICE TO CONTRACTORS, the bid opening dated from “January 27, 2021”, to read “**February 3, 2021**”. Make this change in pen and ink.

REMOVE from Amendment No. 2, Proposal Schedule of Items, 36 pages, dated 1/13/2021, and **REPLACE** with the attached, revised Proposal Schedule of Items, 36 pages, dated 1/25/2021.

REMOVE from Amendment No. 2, SPECIAL PROVISION – SECTION 643 – TRAFFIC SIGNALS – (Non-Invasive Detection – Advance), 4 pages, dated January 12, 2021, and **REPLACE** with the attached, revised SPECIAL PROVISION – SECTION 643 – TRAFFIC SIGNALS – (Non-Invasive Detection – Advance), 4 pages, dated January 22, 2021.

REMOVE pages 188 - 193, SPECIAL PROVISION – SECTION 643 – TRAFFIC SIGNALS (Non-Invasive Detection – Stop Bar), 6 pages, dated November 25, 2020, and **REPLACE** with the attached, revised SPECIAL PROVISION – SECTION 643 – TRAFFIC SIGNALS (Non-Invasive Detection – Stop Bar), 6 pages, dated January 22, 2021.

ADD the attached SPECIAL PROVISION – SECTION 639 – ENGINEERING FACILITIES, 1 page.

In the Plan Set:

On SHEET NUMBER 36 OF 358, TRAFFIC SIGNAL PLAN, at the bottom of the “LIST OF WORK ITEMS”, **DELETE** the line that states “*TEMPORARY TRAFFIC SIGNAL SHALL BE SUBSIDIARY TO ITEM 643.71”. Make this change in pen and ink.

On SHEET NUMBER 68 OF 358, TRAFFIC SIGNAL PLAN, at the bottom of the “LIST OF WORK ITEMS”, **DELETE** the line that states “*TEMPORARY TRAFFIC SIGNAL SHALL BE SUBSIDIARY TO ITEM 643.71”. Make this change in pen and ink.

The following questions have been received:

Question: Please confirm the DBE requirement for this project. Addendum #1 states that the DBE Utilization Form should be submitted but Specification 105 states that the DBE Project Attainment Target (PAT) for this project is N/A. Is the DBE Commitment Form required to be submitted?

Response: Yes, the DBE Utilization Form is required on all projects with or without a PAT. The form is supposed to list any and all sub-contractors not just DBEs.

Question: There is no stopline detection needed for sheets 87, 90, and 91 even though they appear in the schedule of items, correct? Same for the advance detection on sheet 41 where there doesn't appear a need for a proposal line.

Response: Sheets 87, 90, and 91 do not require stopline detection as this will be procured by others under WIN 24371.00. At location 41 advanced detection capability is available via the Gridsmart detection that is being removed and reset. Therefore, no proposal line is needed for 643.22 Sheet 041 and it will be removed from the Schedule of Items. See revised Schedule of Items.

Question: There appears to be a missing proposal line instead for the advance detection for sheet 42.

Response: Sheet 42 calls for advance detection on 2 approaches. The proposal line has been added to the Schedule of Items for 643.22 Sheet 042. See revised Schedule of Items.

Question: In the general notes on page B of the plans, under #26 Foundations, the specification calls for an additional 1-1/2" conduit to the service pole and capped for future use. This work does not appear to be incidental to the cabinet foundation. In many locations, the nearest service pole is a significant distance from the cabinet foundation. For example at location 1, where the nearest utility pole is approximately 200' away and requires a road crossing. Please clarify the intent of this note. Also, should this work be covered under a separate pay item specifically for 1-1/2" conduit installation, since it is not shown on the plans and represents a significant cost?

Response: The intent of the 1-1/2 inch spare conduit is to provide future access to the ATCC through the foundation. It would be permitted to provide tracer wire and a cap in vicinity of the foundation where there is considerable distance (or road crossing) to the nearest service pole. This will be coordinated with the Resident Engineer on a case-by-case basis.

Question: Addendum #1 states that we should plan to replace the signal cable at all locations. Please confirm if the intent is to replace the signal cable at the locations where only the controller is being replaced (Locations 45,55,87,90,91)?

Response: For clarification, Locations 45 and 55 will have new signal cable already in place by others by the time work is initiated under this project. The roadway reconfiguration and signal work for locations 87, 90, and 91 will be completed by others under WIN 24371.00 anticipated to be constructed concurrently with this project and as such this project shall solely be responsible for the items listed in the plans at these 3 locations, which does not include replacing the signal cable. This

response supersedes a similar question on page 4 of Amendment No. 2 alluding to these intersections to be recabled as part of “this” project.

Question: Could guidance be provided on how the compliance with the Functional Requirements of the project will be evaluated relative to price? Will 75% compliance be acceptable at a certain price, 80% compliance acceptable at a different price, and so on? If so, is there a scoring matrix that could be referenced for properly calibrating our submissions to be in line with MaineDOT’s evaluation criteria?

Response: No further clarification will be provided beyond what is already stated in the project Bid Book or found within MaineDOT’s Standard Specifications.

Question: New Stop Line Detection is shown on Sheet 42 (Main St & Starrett Dr), but we do not see a pay item for the system in the Proposal Schedule of Items.

Response: Stop bar detection for 4 approaches is necessary at Main St & Starrett Dr. In Amendment No. 2 the Schedule of Items was revised and Proposal Line Number 0730 calls for 643.21 NON-INVASIVE DETECTION – STOP LINE: Sheet “041” Route 3 and Starrett Dr. The revised Schedule of Items under Amendment No. 3 revises the Sheet callout to 042.

Question: New Advance Detection is shown on Sheet 42 (Main St & Starrett Dr), but we do not see a pay item for the system in the Proposal Schedule of Items.

Response: Sheet 42 calls for advance detection on 2 approaches. The proposal line has been added to the Schedule of Items for 643.22 Sheet 042.

Question: Has the Non-Invasive Detection-Advance on plan page 042 been removed from the project?

Response: See previous response.

Question: Within the plan set package, please define the term "reset" found in the task item "RESET FIBER OPTIC ETHERNET SWITCH WITH FIBER OPTIC INTERFACES". Is it the intent to simply power cycle the network switch, or will configuration be needed to meet the new network to be developed?

Response: Yes, a power cycle of the network switch to restore network access. The power cycle shall have sufficient delay set to allow the switch to perform a complete restart.

Question: RFP Page 188, Section 643, paragraph 6, details, "If the ATCC is supplied with a Fiber Ethernet Switch and connected to the existing City fiber network, the Contractor shall establish a Virtual Private Network (VPN) communication pathway with input from the City IT department to allow for remote monitoring and control." Is the current fiber network being utilized as a backhaul for the field communications and the VPN is intended to provide additional security through the local fiber connection? Can the current network topology of each county be provided?

Response: Yes, the existing City fiber network is currently used as the backhaul connection. The Contractor will work with the City IT department to create a VPN connection from the city's existing firewall/router to the Contractor created cloud-based system.

Question: Could MaineDOT provide its current network security policy?

Response: Any discussion of MaineDOT's current network security policy would be with the Contractor awarded the project.

Question: Does MaineDOT have any restrictions on opening certain TCP or UDP ports if the Vendor software requires them in order to function properly?

Response: The Contractor shall create and maintain a separate cloud-based system outside of the MaineDOT network as part of this project. The Contractor should list which TCP, UDP are to be used and how they are to be utilized.

Question: Does the G-Size Pole Mounted Cabinet required at location #50 need to be the same spec/size as the Pole Mounted ATC cabinet referenced on page 10 of the plans? Or will any style pole mounted cabinet that can accommodate the required equipment at the intersection suffice?

Response: Any style pole mount would suffice as long as the equipment can be installed in the cabinet with sufficient room to allow for maintenance, and maintenance personnel are not exposed to high voltage through the primary access door.

Question: On ATC controller spec page 269 the spec states "Shall take specific user specified actions when the ATC detects the failure of CMT/ASCT system communication" What actions does this include?

Response: In the event that the condition exists such that the CMS/ASCT systems fails due to cabinet or communications failures, the system shall revert to back-up, time-based coordinated operation.

Question: On ATC controller spec page 269 the spec states "Shall be supplied with all necessary hardware and software elements needed to fully support Connected Autonomous Vehicle (CAV) operations utilizing dual mode DSRC/5G communications." Could you please provide a more complete definition of what constitutes "necessary hardware and software" for DSRC/5G?

Response: Different manufactures have different levels of licenses and hardware needed to support CAV; therefore, MaineDOT cannot provide a detailed list without specifying one product. The requirement calls for the Contractor to provide all necessary items by the specific controller and Dual Mode DSRC manufacturer to support for CAV.

Question: Could you please provide further clarification on whether the DSRC requirements for both RSUs and OBUs are to be dropped? As well as the impact of the reduced number of channels (due to the FCC decision to remove 2/3 of the previously allocated spectrum)?

Response: MaineDOT is still evaluating the impact of the recent FCC decision. All bids should assume Dual mode RSU and OBU's shall be provided with the project noting that a change to 5G only may be discussed prior to the Contractor selected for the project ordering the equipment.

Question: There is a note at the bottom of the Sheet 36 List of Work Items that states that temporary traffic signal shall be subsidiary to 643.71 however there is a separate pay item for this work under 643.72. Please advise.

Response: Reference on Sheet 68 List of Work Items indicating that temporary traffic signal shall be subsidiary to 643.71 shall be disregarded and struck in pen and ink given there is a separate pay item for temporary signals under 643.72.

Question: There is a note at the bottom of the Sheet 68 List of Work Items that states that temporary traffic signal shall be subsidiary to 643.71 however there is a separate pay item for this work under 643.72. Please advise.

Response: See above pen and ink changes to Plan Set.

Question: There is a note at the bottom of Sheet 67 List of Work Items that states that temporary traffic signal shall be subsidiary to 643.71. Should there be a separate pay item for this work?

Response: Any temporary signal control during construction at this location shall be subsidiary to 643.71 as it is thought new proposed signal structures can be erected while the existing structures are retained and being used for traffic signalization during construction.

Question: There was a response to a question in Addendum 2 that states "Tether wire shall be replaced or added to any project intersection that provides existing or proposed span wire". We interpret this to mean that tether wire shall be replaced at all existing intersections having span wire. Is our interpretation correct?

Response: Yes, all tether wire will be replaced and supplied with a suitable breakaway device on at least one end of each tether.

Question: Is it possible to get a two week extension to the bid date?

Response: The bid opening date will be extended one week to February 3, 2021.

Question: Can any of the foundation items be precast? And does MaineDOT have a list of pre approved precast companies?

Response: Precast foundations will be permitted for 18- and 24-inch diameter foundations for structures less than 30-feet tall with no projecting arms. See Section 626.036 Precast Foundations in the Standard Specifications dated March 2020 for additional info. We do not have a list of preapproved precast companies.

Question: Do any of the mast arms require paint? Or just galvanized finish ?

Response: See General Note 22 on Plan Sheet B and Special Provision 643 beginning on Page 2 of 7, Bid Book page 199.

Question: For items 643.71, for locations where full recabling is not called for, but signals are being changed out, can we assume we will re-use existing cable for signals being changed out?

Response: See previous responses on cabling.

Question: Can you provide the acceptable model number for the generator switch?

Response: The generator switch shall be a Reliance C30A1N Signal Series or approved equal. Please make this change in pen and ink in the Supplemental Specifications (Corrections, Additions, & Revisions to Standard Specifications – March 2020) found in Section 718 Traffic Signals Material on page 20 of 25 under section 718.08 Controller Cabinet.

Consider these changes and information prior to submitting your bid on **February 3, 2021**.

Sincerely,



George M. A. Macdougall P.E.
Contracts & Specifications Engineer

1/25/2021

Maine Department of Transportation

Proposal Schedule of Items

Page 1 of 36

Proposal ID: 024301.00

Project(s): 024301.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	203.20 COMMON EXCAVATION	157.000 CY	_____	 _____	_____	 _____
0020	403.210 HOT MIX ASPHALT 9.5 MM	435.000 T	_____	 _____	_____	 _____
0030	514.06 CURING BOX FOR CONCRETE CYLINDERS	1.000 EA	_____	 _____	_____	 _____
0040	608.07 PLAIN CONCRETE SIDEWALK	3,235.000 SY	_____	 _____	_____	 _____
0050	608.15 BRICK SIDEWALK WITH BITUMINOUS BASE	183.000 SY	_____	 _____	_____	 _____
0060	608.26 CURB RAMP DETECTABLE WARNING FIELD	4,020.000 SF	_____	 _____	_____	 _____
0070	608.45 CONSTRUCT SIDEWALK	155.000 SY	_____	 _____	_____	 _____
0080	608.46 REGRAIDING SIDEWALK	4,435.000 SY	_____	 _____	_____	 _____
0090	609.11 VERTICAL CURB TYPE 1	657.000 LF	_____	 _____	_____	 _____
0100	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	452.000 LF	_____	 _____	_____	 _____
0110	609.21 CONCRETE SLIPFORM CURB	23.000 LF	_____	 _____	_____	 _____
0120	609.214 CONCRETE SLIPFORM CURB - 4' TERMINAL END	20.000 EA	_____	 _____	_____	 _____

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Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0130	609.218 CONCRETE SLIPFORM CURB - 8' TERMINAL END 8' Terminal End	56.000 EA	_____	 _____	_____	 _____
0140	609.221 TERMINAL CURB TYPE 1	1,410.000 LF	_____	 _____	_____	 _____
0150	609.222 TERMINAL CURB TYPE 1 - CIRCULAR Circular	2,225.000 LF	_____	 _____	_____	 _____
0160	609.31 CURB TYPE 3	192.000 LF	_____	 _____	_____	 _____
0170	609.34 CURB TYPE 5	305.000 LF	_____	 _____	_____	 _____
0180	609.35 CURB TYPE 5 - CIRCULAR	58.000 LF	_____	 _____	_____	 _____
0190	626.11 PRECAST CONCRETE JUNCTION BOX	31.000 EA	_____	 _____	_____	 _____
0200	626.22 NON-METALLIC CONDUIT 3 inch Conduit	4,065.000 LF	_____	 _____	_____	 _____
0210	626.221 NON-METALLIC CONDUIT CONCRETE ENCASED	1,145.000 LF	_____	 _____	_____	 _____
0220	626.251 NON-METALLIC UNDER PAVEMENT CONDUIT (SCHEDULE 80 OR GREATER RATING)	925.000 LF	_____	 _____	_____	 _____
0230	626.35 CONTROLLER CABINET FOUNDATION	71.000 EA	_____	 _____	_____	 _____

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Project(s): 024301.00

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Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0240	626.36 REMOVE OR MODIFY CONCRETE FOUNDATION	24.000 EA	_____	 _____	_____	 _____
0250	626.421 24 INCH DIAMETER FOUNDATION	847.000 LF	_____	 _____	_____	 _____
0260	626.451 42 INCH DIAMETER FOUNDATION	130.000 LF	_____	 _____	_____	 _____
0270	626.46 48 INCH DIAMETER FOUNDATION	74.000 LF	_____	 _____	_____	 _____
0280	626.47 54 INCH DIAMETER FOUNDATION	29.000 LF	_____	 _____	_____	 _____
0290	626.48 60 INCH DIAMETER FOUNDATION	48.000 LF	_____	 _____	_____	 _____
0300	626.60 GROUTED, ROCK- ANCHORED FOUNDATION	7.000 CY	_____	 _____	_____	 _____
0310	627.711 WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE (PLAN QUANTITY)	70.000 LF	_____	 _____	_____	 _____
0320	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	12,795.000 SF	_____	 _____	_____	 _____
0330	627.77 REMOVING PAVEMENT MARKINGS	10,380.000 SF	_____	 _____	_____	 _____
0340	639.20 FIELD OFFICE TYPE C	1.000 EA	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0350	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 001 Capitol St and Sewall St	LUMP SUM	LUMP	SUM	_____	_____
0360	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 002 Civic Center Dr and Commerce Dr	LUMP SUM	LUMP	SUM	_____	_____
0370	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 004 Civic Center Dr and I-95 NB Ramps	LUMP SUM	LUMP	SUM	_____	_____
0380	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 005 Civic Center Dr and I-95 SB Ramps	LUMP SUM	LUMP	SUM	_____	_____
0390	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 006 Civic Center Dr and Leighton Rd	LUMP SUM	LUMP	SUM	_____	_____
0400	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 007 Civic Center Dr and University Dr	LUMP SUM	LUMP	SUM	_____	_____
0410	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 008 Civic Center Dr and Townsend Rd	LUMP SUM	LUMP	SUM	_____	_____
0420	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 009 Eastern Ave and Cony Rd	LUMP SUM	LUMP	SUM	_____	_____

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Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0430	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 010 Eastern Ave and Hospital St/Stone St	LUMP SUM	LUMP	SUM	_____	_____
0440	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 011 Eastern Ave and Spring St/Togus Rd	LUMP SUM	LUMP	SUM	_____	_____
0450	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 012 Hospital St and Piggery Rd/Tyson Dr	LUMP SUM	LUMP	SUM	_____	_____
0460	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 013 Route 3 (N Belfast Ave) & Church Hill	LUMP SUM	LUMP	SUM	_____	_____
0470	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 014 Route 3 & N Belfast Ave	LUMP SUM	LUMP	SUM	_____	_____
0480	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 015 Route 3 and Riverside Dr	LUMP SUM	LUMP	SUM	_____	_____
0490	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 016 Route 3 and Route 104 (W River Rd)	LUMP SUM	LUMP	SUM	_____	_____
0500	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 017 Senator Way and Crossing Way	LUMP SUM	LUMP	SUM	_____	_____

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Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0510	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 018 S Belfast Ave and Cony Rd/Church Hill	LUMP SUM	LUMP	SUM	_____	_____
0520	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 019 State St and Capitol St	LUMP SUM	LUMP	SUM	_____	_____
0530	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 020 State St and Union St	LUMP SUM	LUMP	SUM	_____	_____
0540	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 021 Stone St and Hannaford Dr	LUMP SUM	LUMP	SUM	_____	_____
0550	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 022 Western Ave and Airport Rd	LUMP SUM	LUMP	SUM	_____	_____
0560	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 023 Western Ave and Armory St	LUMP SUM	LUMP	SUM	_____	_____
0570	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 024 Western Ave and Crossing Way	LUMP SUM	LUMP	SUM	_____	_____
0580	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 025 Western Ave and Edison Dr	LUMP SUM	LUMP	SUM	_____	_____
0590	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 026 Western Ave and Orchard St	LUMP SUM	LUMP	SUM	_____	_____

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Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0600	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 027 Western Ave and Senator Way	LUMP SUM	LUMP	SUM	_____	_____
0610	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 028 Western Ave and Sewall St	LUMP SUM	LUMP	SUM	_____	_____
0620	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 029 Western Ave and Shuman Ave	LUMP SUM	LUMP	SUM	_____	_____
0630	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 030 Western Ave and U Haul Dr	LUMP SUM	LUMP	SUM	_____	_____
0640	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 031 Western Ave and Whitten Rd	LUMP SUM	LUMP	SUM	_____	_____
0650	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 032 Route 3 and Henrys Way	LUMP SUM	LUMP	SUM	_____	_____
0660	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 033 Route 27 and Route 3	LUMP SUM	LUMP	SUM	_____	_____
0670	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 034 State St and Winthrop St	LUMP SUM	LUMP	SUM	_____	_____
0680	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 035 State St and Bridge St	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0690	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 036 Water St and Bridge St	LUMP SUM	LUMP	SUM	_____	_____
0700	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 037 Cony St and Willow St/City Center Dr	LUMP SUM	LUMP	SUM	_____	_____
0710	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 038 Bangor St and Linden St/Quimby St	LUMP SUM	LUMP	SUM	_____	_____
0720	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 039 Bangor St and N Belfast Ave/Locke St	LUMP SUM	LUMP	SUM	_____	_____
0730	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 040 Whitten Rd and Hannaford Dr	LUMP SUM	LUMP	SUM	_____	_____
0740	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 042 Route 3 and Starrett Dr	LUMP SUM	LUMP	SUM	_____	_____
0750	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 043 Main St and High St	LUMP SUM	LUMP	SUM	_____	_____
0760	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 044 Route 1 and Route 52	LUMP SUM	LUMP	SUM	_____	_____
0770	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 046 Route 201 and Bridge St	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0780	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 047 Route 201 and Johnny's Seeds/KVCOG	LUMP SUM	LUMP	SUM	_____	_____
0790	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 048 Route 4 and Broadway	LUMP SUM	LUMP	SUM	_____	_____
0800	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 049 Route 4 and Route 2/27	LUMP SUM	LUMP	SUM	_____	_____
0810	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 050 Route 4 and Bridge St	LUMP SUM	LUMP	SUM	_____	_____
0820	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 051 Route 4 and Hannaford Dr	LUMP SUM	LUMP	SUM	_____	_____
0830	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 052 Route 4 and Walmart Dr	LUMP SUM	LUMP	SUM	_____	_____
0840	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 053 Route 4 and Hospital St	LUMP SUM	LUMP	SUM	_____	_____
0850	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 054 Bridge St and Maine Ave	LUMP SUM	LUMP	SUM	_____	_____
0860	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 056 Main St and Perkins St	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0870	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 057 Main St and Fairfield St	LUMP SUM	LUMP	SUM	_____	_____
0880	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 058 Pleasant St and Oak St	LUMP SUM	LUMP	SUM	_____	_____
0890	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 059 Water St and Bridge St	LUMP SUM	LUMP	SUM	_____	_____
0900	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 060 Main St and Walmart Dr	LUMP SUM	LUMP	SUM	_____	_____
0910	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 062 Main St and Shaw's Dr	LUMP SUM	LUMP	SUM	_____	_____
0920	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 063 Main St and Westview Dr	LUMP SUM	LUMP	SUM	_____	_____
0930	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 066 Main St and Washington St	LUMP SUM	LUMP	SUM	_____	_____
0940	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 067 Main St and Route 202	LUMP SUM	LUMP	SUM	_____	_____
0950	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 068 Main St and Route 224	LUMP SUM	LUMP	SUM	_____	_____
0960	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 069 Route 4A/202 and River St	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0970	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 070 Route 4 and Grammar Rd	LUMP SUM	LUMP	SUM	_____	_____
0980	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 071 Route 224 and River St	LUMP SUM	LUMP	SUM	_____	_____
0990	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 072 Route 4A/202 and Route 224	LUMP SUM	LUMP	SUM	_____	_____
1000	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 073 Route 202 and Route 32	LUMP SUM	LUMP	SUM	_____	_____
1010	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 074 KMD and First Park Dr	LUMP SUM	LUMP	SUM	_____	_____
1020	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 075 KMD and I-95 SB	LUMP SUM	LUMP	SUM	_____	_____
1030	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 076 KMD and I-95 NB	LUMP SUM	LUMP	SUM	_____	_____
1040	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 077 KMD and Washington St	LUMP SUM	LUMP	SUM	_____	_____
1050	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 078 KMD and Shaws Dr	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1060	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 079 KMD and 1st Rangeway	LUMP SUM	LUMP	SUM	_____	_____
1070	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 080 KMD and Hannaford Dr	LUMP SUM	LUMP	SUM	_____	_____
1080	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 081 KMD and Cool St	LUMP SUM	LUMP	SUM	_____	_____
1090	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 082 KMD and West River Rd	LUMP SUM	LUMP	SUM	_____	_____
1100	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 083 KMD and CMD	LUMP SUM	LUMP	SUM	_____	_____
1110	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 084 Silver St and Elm St	LUMP SUM	LUMP	SUM	_____	_____
1120	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 085 Elm St and Western Ave	LUMP SUM	LUMP	SUM	_____	_____
1130	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 086 Elm St and Park St	LUMP SUM	LUMP	SUM	_____	_____
1140	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 088 Spring St and Silver St	LUMP SUM	LUMP	SUM	_____	_____
1150	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 089 Spring St and Elm St	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1160	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 092 Main St and Eustis Pkwy	LUMP SUM	LUMP	SUM	_____	_____
1170	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 093 Main St and Armory St	LUMP SUM	LUMP	SUM	_____	_____
1180	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 094 Main St and Waterville Commons Dr	LUMP SUM	LUMP	SUM	_____	_____
1190	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 095 Main St and I-95 NB	LUMP SUM	LUMP	SUM	_____	_____
1200	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 096 Main St and I-95 SB	LUMP SUM	LUMP	SUM	_____	_____
1210	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 097 College Ave and Hazelwood Ave	LUMP SUM	LUMP	SUM	_____	_____
1220	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 098 KMD and Airport Rd	LUMP SUM	LUMP	SUM	_____	_____
1230	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 099 CMD and Cushman Rd	LUMP SUM	LUMP	SUM	_____	_____
1240	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 100 China Rd and Cushman Rd	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1250	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 101 Route 201 and Clinton Ave	LUMP SUM	LUMP	SUM	_____	_____
1260	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 102 Route 201 and Halifax St	LUMP SUM	LUMP	SUM	_____	_____
1270	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 103 Route 201 and China Rd	LUMP SUM	LUMP	SUM	_____	_____
1280	643.21 NON-INVASIVE DETECTION - STOP LINE: Sheet 104 Route 201 and CMD	LUMP SUM	LUMP	SUM	_____	_____
1290	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 003 Civic Center Dr and Darin Dr	LUMP SUM	LUMP	SUM	_____	_____
1300	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 004 Civic Center Dr and I-95 NB Ramps	LUMP SUM	LUMP	SUM	_____	_____
1310	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 005 Civic Center Drive & I-95 SB	LUMP SUM	LUMP	SUM	_____	_____
1320	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 006 Civic Center Dr and Leighton Rd	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1330	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 007 Civic Center Dr and University Dr	LUMP SUM	LUMP	SUM	_____	_____
1340	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 008 Civic Center Dr and Townsend Rd	LUMP SUM	LUMP	SUM	_____	_____
1350	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 009 Eastern Ave and Cony Rd	LUMP SUM	LUMP	SUM	_____	_____
1360	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 010 Eastern Ave and Hospital St/Stone St	LUMP SUM	LUMP	SUM	_____	_____
1370	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 011 Eastern Ave and Spring St/Togus Rd	LUMP SUM	LUMP	SUM	_____	_____
1380	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 012 Hospital St and Piggery Rd/Tyson Dr	LUMP SUM	LUMP	SUM	_____	_____
1390	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 013 Route 3 (N Belfast Ave) and Church Hill	LUMP SUM	LUMP	SUM	_____	_____
1400	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 014 Route 3 and N Belfast Ave	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1410	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 015 Route 3 and Riverside Dr	LUMP SUM	LUMP	SUM	_____	_____
1420	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 016 Route 3 and Route 104 (W River Rd)	LUMP SUM	LUMP	SUM	_____	_____
1430	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 018 S Belfast Ave and Cony Rd/Chruch Hill	LUMP SUM	LUMP	SUM	_____	_____
1440	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 023 Western Ave and Armory St	LUMP SUM	LUMP	SUM	_____	_____
1450	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 024 Western Ave and Crossing Way	LUMP SUM	LUMP	SUM	_____	_____
1460	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 025 Western Ave and Edison Dr	LUMP SUM	LUMP	SUM	_____	_____
1470	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 026 Western Ave and Orchard St	LUMP SUM	LUMP	SUM	_____	_____
1480	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 027 Western Ave and Senator Way	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1490	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 029 Western Ave and Shuman Ave	LUMP SUM	LUMP	SUM	_____	_____
1500	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 031 Western Ave and Whitten Rd	LUMP SUM	LUMP	SUM	_____	_____
1510	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 040 Whitten Rd and Hannafor Dr	LUMP SUM	LUMP	SUM	_____	_____
1520	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 042 Route 3 and Starett Dr.	LUMP SUM	LUMP	SUM	_____	_____
1530	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 044 Route 1 and Route 52	LUMP SUM	LUMP	SUM	_____	_____
1540	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 047 Route 201 and Johnny's Seeds/KVCOG	LUMP SUM	LUMP	SUM	_____	_____
1550	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 049 Route 4 and Route 2/27	LUMP SUM	LUMP	SUM	_____	_____
1560	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 051 Route 4 and Hannafor Dr	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1570	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 052 Route 4 and Walmart Dr	LUMP SUM	LUMP	SUM	_____	_____
1580	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 053 Route 4 and Hospital St	LUMP SUM	LUMP	SUM	_____	_____
1590	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 054 Bridge St and Maine Ave	LUMP SUM	LUMP	SUM	_____	_____
1600	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 057 Main St and Fairfield St	LUMP SUM	LUMP	SUM	_____	_____
1610	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 059 Water St and Bridge St	LUMP SUM	LUMP	SUM	_____	_____
1620	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 060 Main St and Walmart Dr	LUMP SUM	LUMP	SUM	_____	_____
1630	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 061 Main St and Jagger Mill Rd	LUMP SUM	LUMP	SUM	_____	_____
1640	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 062 Main St and Shaw's Dr	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1650	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 063 Main St and Westview Dr	LUMP SUM	LUMP	SUM	_____	_____
1660	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 064 Main St and Alumni Dr/Old Mill Rd	LUMP SUM	LUMP	SUM	_____	_____
1670	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 070 Route 4 and Grammar Rd	LUMP SUM	LUMP	SUM	_____	_____
1680	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 071 Route 224 and River St	LUMP SUM	LUMP	SUM	_____	_____
1690	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 072 Route 4A/202 and Route 224	LUMP SUM	LUMP	SUM	_____	_____
1700	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 073 Route 202 and Route 32	LUMP SUM	LUMP	SUM	_____	_____
1710	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 074 KMD and First Park Dr	LUMP SUM	LUMP	SUM	_____	_____
1720	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 075 KMD and I-95 SB	LUMP SUM	LUMP	SUM	_____	_____
1730	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 076 KMD and I-95 NB	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1740	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 077 KMD and Washington St	LUMP SUM	LUMP	SUM	_____	_____
1750	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 078 KMD and Shaws Dr	LUMP SUM	LUMP	SUM	_____	_____
1760	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 079 KMD and 1st Rangeway	LUMP SUM	LUMP	SUM	_____	_____
1770	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 080 KMD and Hannaford Dr	LUMP SUM	LUMP	SUM	_____	_____
1780	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 081 KMD and Cool St	LUMP SUM	LUMP	SUM	_____	_____
1790	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 082 KMD and West River Rd	LUMP SUM	LUMP	SUM	_____	_____
1800	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 083 KMD and CMD	LUMP SUM	LUMP	SUM	_____	_____
1810	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 093 Main St and Armory Rd	LUMP SUM	LUMP	SUM	_____	_____
1820	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 094 Main St and Waterville Commons Rd	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1830	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 095 Main St and I-95 NB	LUMP SUM	LUMP	SUM	_____	_____
1840	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 096 Main St and I-95 SB	LUMP SUM	LUMP	SUM	_____	_____
1850	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 097 College Ave and Hazelwood Ave	LUMP SUM	LUMP	SUM	_____	_____
1860	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 098 KMD and Airport Rd	LUMP SUM	LUMP	SUM	_____	_____
1870	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 099 CMD and Cushman Rd	LUMP SUM	LUMP	SUM	_____	_____
1880	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 101 Route 201 and Clinton Ave	LUMP SUM	LUMP	SUM	_____	_____
1890	643.22 NON-INVASIVE DETECTION - ADVANCE: Sheet 104 Route 201 and CMD	LUMP SUM	LUMP	SUM	_____	_____
1900	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 001 Capitol St and Sewall St	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1910	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 002 Civic Center Dr and Commerce Dr	LUMP SUM	LUMP	SUM	_____	_____
1920	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 003 Civic Center Dr and Darin Dr	LUMP SUM	LUMP	SUM	_____	_____
1930	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 004 Civic Center Dr and I-95 NB Ramps	LUMP SUM	LUMP	SUM	_____	_____
1940	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 005 Civic Center Dr and I-95 SB Ramps	LUMP SUM	LUMP	SUM	_____	_____
1950	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 006 Civic Center Dr and Leighton Rd	LUMP SUM	LUMP	SUM	_____	_____
1960	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 007 Civic Center Dr and University Dr/Market Place	LUMP SUM	LUMP	SUM	_____	_____
1970	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 008 Civic Center Dr and Townsend Rd	LUMP SUM	LUMP	SUM	_____	_____
1980	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 009 Eastern Ave and Cony Rd	LUMP SUM	LUMP	SUM	_____	_____
1990	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 010 Eastern Ave and Hospital St/Stone St	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
2000	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 011 Eastern Ave and Spring St/Togus Rd	LUMP SUM	LUMP	SUM	_____	_____
2010	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 012 Hospital St and Piggery Rd/Tyson Dr	LUMP SUM	LUMP	SUM	_____	_____
2020	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 013 Route 3 (N Belfast Ave) and Church Hill Rd	LUMP SUM	LUMP	SUM	_____	_____
2030	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 014 Route 3 and N Belfast Ave	LUMP SUM	LUMP	SUM	_____	_____
2040	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 015 Route 3 and Riverside Dr	LUMP SUM	LUMP	SUM	_____	_____
2050	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 016 Route 3 and Route 104 (W River Rd)	LUMP SUM	LUMP	SUM	_____	_____
2060	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 017 Senator Way and Crossing Way	LUMP SUM	LUMP	SUM	_____	_____
2070	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 018 S Belfast Ave and Cony Rd/Church Hill Rd	LUMP SUM	LUMP	SUM	_____	_____
2080	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 019 State St and Capitol St	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
2090	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 020 State St and Union St	LUMP SUM	LUMP	SUM	_____	_____
2100	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 021 Stone St and Hannaford Dr	LUMP SUM	LUMP	SUM	_____	_____
2110	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 022 Western Ave and Airport Rd	LUMP SUM	LUMP	SUM	_____	_____
2120	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 023 Western Ave and Armory St	LUMP SUM	LUMP	SUM	_____	_____
2130	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 024 Western Ave and Crossing Way	LUMP SUM	LUMP	SUM	_____	_____
2140	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 025 Western Ave and Edison Dr	LUMP SUM	LUMP	SUM	_____	_____
2150	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 026 Western Ave and Orchard St/Meadow Rd	LUMP SUM	LUMP	SUM	_____	_____
2160	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 027 Western Ave and Senator Way	LUMP SUM	LUMP	SUM	_____	_____
2170	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 028 Western Ave and Sewall St	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
2180	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 029 Western Ave and Shuman Ave	LUMP SUM	LUMP	SUM	_____	_____
2190	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 030 Western Ave and U Haul Dr	LUMP SUM	LUMP	SUM	_____	_____
2200	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 031 Western Ave and Whitten Rd	LUMP SUM	LUMP	SUM	_____	_____
2210	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 032 Route 3 and Henrys Way/Medical Center Pkwy	LUMP SUM	LUMP	SUM	_____	_____
2220	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 033 Route 27 and Route 3	LUMP SUM	LUMP	SUM	_____	_____
2230	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 034 State St and Winthrop St	LUMP SUM	LUMP	SUM	_____	_____
2240	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 035 State St and Bridge St	LUMP SUM	LUMP	SUM	_____	_____
2250	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 036 Water St and Bridge St	LUMP SUM	LUMP	SUM	_____	_____
2260	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 037 Cony St and Will St/City Center Dr	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
2270	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 038 Bangor St and Linden St/Quimby St	LUMP SUM	LUMP	SUM	_____	_____
2280	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 039 Bangor St and N Belfast Ave/Locke St	LUMP SUM	LUMP	SUM	_____	_____
2290	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 040 Whitten Rd and Hannaford Dr	LUMP SUM	LUMP	SUM	_____	_____
2300	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 041 Route 3 and Hatley Rd	LUMP SUM	LUMP	SUM	_____	_____
2310	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 042 Main St and Hannaford Dr	LUMP SUM	LUMP	SUM	_____	_____
2320	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 043 Main St and High St	LUMP SUM	LUMP	SUM	_____	_____
2330	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 044 Route 1 and Route 52	LUMP SUM	LUMP	SUM	_____	_____
2340	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 045 Bridge St and Benton Ave/River Rd	LUMP SUM	LUMP	SUM	_____	_____
2350	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 046 Route 201 and Bridge St	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Schedule of Items

Proposal ID: 024301.00

Project(s): 024301.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
2360	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 047 Route 201 and Johnny's Seeds/KVCOG	LUMP SUM	LUMP	SUM	_____	_____
2370	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 048 Route 4 and Broadway	LUMP SUM	LUMP	SUM	_____	_____
2380	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 049 Route 4 and Route 2/27 (Farmington Falls Rd)	LUMP SUM	LUMP	SUM	_____	_____
2390	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 050 Route 4 and Bridge St	LUMP SUM	LUMP	SUM	_____	_____
2400	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 051 Route 4 and Hannaford Dr	LUMP SUM	LUMP	SUM	_____	_____
2410	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 052 Route 4 and Walmart Dr	LUMP SUM	LUMP	SUM	_____	_____
2420	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 053 Route 4 and Hospital St	LUMP SUM	LUMP	SUM	_____	_____
2430	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 054 Bridge St and Maine Ave	LUMP SUM	LUMP	SUM	_____	_____
2440	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 055 Bridge St and Water St	LUMP SUM	LUMP	SUM	_____	_____
2450	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 056 Main St and Perkins St	LUMP SUM	LUMP	SUM	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 024301.00

Project(s): 024301.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
2460	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 057 Main St and Fairfield St	LUMP SUM	LUMP	SUM	_____	_____
2470	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 058 Pleasant St and Oak St	LUMP SUM	LUMP	SUM	_____	_____
2480	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 059 Water St and Bridge St (Randolph)	LUMP SUM	LUMP	SUM	_____	_____
2490	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 060 Main St and Walmart Dr	LUMP SUM	LUMP	SUM	_____	_____
2500	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 061 Main St and Jagger Mill Rd	LUMP SUM	LUMP	SUM	_____	_____
2510	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 062 Main St and Shaw's Dr	LUMP SUM	LUMP	SUM	_____	_____
2520	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 063 Main St and Westview Dr	LUMP SUM	LUMP	SUM	_____	_____
2530	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 064 Main St and Alumni Dr/Old Mill Rd	LUMP SUM	LUMP	SUM	_____	_____
2540	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 065 Main St and Emery St	LUMP SUM	LUMP	SUM	_____	_____
2550	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 066 Main St and Washington St	LUMP SUM	LUMP	SUM	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 024301.00

Project(s): 024301.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
2560	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 067 Main St and Route 202	LUMP SUM	LUMP	SUM	_____	_____
2570	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 068 Main St and Route 224	LUMP SUM	LUMP	SUM	_____	_____
2580	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 069 Route 4A/202 and River St	LUMP SUM	LUMP	SUM	_____	_____
2590	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 070 Route 4 and Grammar Rd/New Dam Rd	LUMP SUM	LUMP	SUM	_____	_____
2600	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 071 Route 224 and River St	LUMP SUM	LUMP	SUM	_____	_____
2610	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 072 Route 4A/202 and Route 224	LUMP SUM	LUMP	SUM	_____	_____
2620	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 073 Route 3 and Route 32	LUMP SUM	LUMP	SUM	_____	_____
2630	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 074 KMD and First Park Dr	LUMP SUM	LUMP	SUM	_____	_____
2640	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 075 KMD and I-95 SB	LUMP SUM	LUMP	SUM	_____	_____
2650	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 076 KMD and I-95 NB	LUMP SUM	LUMP	SUM	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 024301.00

Project(s): 024301.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
2660	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 077 KMD and Washington St	LUMP SUM	LUMP	SUM	_____	_____
2670	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 078 KMD and Shaws Dr	LUMP SUM	LUMP	SUM	_____	_____
2680	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 079 KMD and 1st Rangeway	LUMP SUM	LUMP	SUM	_____	_____
2690	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 080 KMD and Hannaford Dr	LUMP SUM	LUMP	SUM	_____	_____
2700	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 081 KMD and Cool St	LUMP SUM	LUMP	SUM	_____	_____
2710	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 082 KMD and West River Rd	LUMP SUM	LUMP	SUM	_____	_____
2720	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 083 KMD and CMD	LUMP SUM	LUMP	SUM	_____	_____
2730	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 084 Silver St and Elm St	LUMP SUM	LUMP	SUM	_____	_____
2740	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 085 Elm St and Western Ave	LUMP SUM	LUMP	SUM	_____	_____
2750	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 086 Elm St and Park St	LUMP SUM	LUMP	SUM	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 024301.00

Project(s): 024301.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
2760	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 087 Spring St and Main St	LUMP SUM	LUMP	SUM	_____	_____
2770	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 088 Spring St & Silver St	LUMP SUM	LUMP	SUM	_____	_____
2780	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 089 Spring St and Elm St	LUMP SUM	LUMP	SUM	_____	_____
2790	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 090 Main St and Temple St	LUMP SUM	LUMP	SUM	_____	_____
2800	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 091 Main St and Elm St	LUMP SUM	LUMP	SUM	_____	_____
2810	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 092 Main St and Eustis Pkwy	LUMP SUM	LUMP	SUM	_____	_____
2820	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 093 Main St and Armory Rd	LUMP SUM	LUMP	SUM	_____	_____
2830	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 094 Main St and Waterville Commons Dr	LUMP SUM	LUMP	SUM	_____	_____
2840	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 095 Main St and I-95 NB	LUMP SUM	LUMP	SUM	_____	_____
2850	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 096 Main St and I-95 SB	LUMP SUM	LUMP	SUM	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 024301.00

Project(s): 024301.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
2860	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 097 College Ave and Hazelwood Ave	LUMP SUM	LUMP	SUM	_____	_____
2870	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 098 KMD and Airport Rd	LUMP SUM	LUMP	SUM	_____	_____
2880	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 099 CMD and Cushman Rd	LUMP SUM	LUMP	SUM	_____	_____
2890	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 100 China Rd and Cushman Rd	LUMP SUM	LUMP	SUM	_____	_____
2900	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 101 Route 201 and Clinton Ave	LUMP SUM	LUMP	SUM	_____	_____
2910	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 102 Route 201 and Halifax St	LUMP SUM	LUMP	SUM	_____	_____
2920	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 103 Route 201 and China Rd	LUMP SUM	LUMP	SUM	_____	_____
2930	643.71 TRAFFIC SIGNAL MODIFICATION Sheet 104 Route 201 and CMD	LUMP SUM	LUMP	SUM	_____	_____
2940	643.72 TEMPORARY TRAFFIC SIGNAL Sheet 036 Water St and Bridge St	LUMP SUM	LUMP	SUM	_____	_____
2950	643.72 TEMPORARY TRAFFIC SIGNAL Sheet 043 Main St and High St	LUMP SUM	LUMP	SUM	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 024301.00

Project(s): 024301.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
2960	643.72 TEMPORARY TRAFFIC SIGNAL Sheet 059 Water St and Bridge St	LUMP SUM	LUMP	SUM	_____	_____
2970	643.72 TEMPORARY TRAFFIC SIGNAL Sheet 068 Main St and Route 224	LUMP SUM	LUMP	SUM	_____	_____
2980	643.72 TEMPORARY TRAFFIC SIGNAL Sheet 101 Route 201 and Clinton Ave	LUMP SUM	LUMP	SUM	_____	_____
2990	643.81 TRAFFIC SIGNAL CONTROL SYSTEM	LUMP SUM	LUMP	SUM	_____	_____
3000	643.90 INTERCONNECT WIRE BETWEEN 12 Strand (7,000 LF)	LUMP SUM	LUMP	SUM	_____	_____
3010	643.90 INTERCONNECT WIRE BETWEEN Main St and Route 202	LUMP SUM	LUMP	SUM	_____	_____
3020	643.90 INTERCONNECT WIRE BETWEEN Main St and Route 224	LUMP SUM	LUMP	SUM	_____	_____
3030	643.90 INTERCONNECT WIRE BETWEEN Main St and Washington St	LUMP SUM	LUMP	SUM	_____	_____
3040	643.91 MAST ARM POLE 20' arm and w/30' arm	1.000 EA	_____	_____	_____	_____
3050	643.91 MAST ARM POLE 25' arm	2.000 EA	_____	_____	_____	_____
3060	643.91 MAST ARM POLE 30' arm	3.000 EA	_____	_____	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 024301.00

Project(s): 024301.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
3070	643.91 MAST ARM POLE 35' arm	2.000 EA	_____	 _____	_____	 _____
3080	643.91 MAST ARM POLE 35' arm and 30' arm	1.000 EA	_____	 _____	_____	 _____
3090	643.91 MAST ARM POLE 35' arm and 45' arm	1.000 EA	_____	 _____	_____	 _____
3100	643.91 MAST ARM POLE 40' arm	2.000 EA	_____	 _____	_____	 _____
3110	643.91 MAST ARM POLE 50' arm	1.000 EA	_____	 _____	_____	 _____
3120	643.91 MAST ARM POLE 55' arm	1.000 EA	_____	 _____	_____	 _____
3130	643.92 PEDESTAL POLE	121.000 EA	_____	 _____	_____	 _____
3140	643.93 STRAIN POLE	2.000 EA	_____	 _____	_____	 _____
3150	643.94 DUAL PURPOSE POLE 20' arm w/luminaire	1.000 EA	_____	 _____	_____	 _____
3160	643.94 DUAL PURPOSE POLE 25' arm w/luminaire	1.000 EA	_____	 _____	_____	 _____
3170	643.94 DUAL PURPOSE POLE 28' arm w/luminaire	1.000 EA	_____	 _____	_____	 _____
3180	643.94 DUAL PURPOSE POLE 35' arm w/ luminaire	3.000 EA	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 024301.00

Project(s): 024301.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
3190	643.94 DUAL PURPOSE POLE 40' arm w/luminaire	1.000 EA	_____	 _____	_____	 _____
3200	643.97 WOOD POLES WITH GUYS AND SPAN WIRE	1.000 EA	_____	 _____	_____	 _____
3210	652.312 TYPE III BARRICADE	15.000 EA	_____	 _____	_____	 _____
3220	652.33 DRUM	60.000 EA	_____	 _____	_____	 _____
3230	652.34 CONE	100.000 EA	_____	 _____	_____	 _____
3240	652.35 CONSTRUCTION SIGNS	2,400.000 SF	_____	 _____	_____	 _____
3250	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	1,000.000 CD	_____	 _____	_____	 _____
3260	652.38 FLAGGER	10,400.000 HR	_____	 _____	_____	 _____
3270	652.381 TRAFFIC OFFICER	3,000.000 HR	_____	 _____	_____	 _____
3280	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	5.000 EA	_____	 _____	_____	 _____
3290	654.05 ADAPTIVE SIGNAL CONTROL SYSTEM Civic Center Drive	LUMP SUM	_____	 LUMP SUM	_____	 _____
3300	654.05 ADAPTIVE SIGNAL CONTROL SYSTEM Kennedy Memorial Drive	LUMP SUM	_____	 LUMP SUM	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 024301.00

Project(s): 024301.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
3310	654.05 ADAPTIVE SIGNAL CONTROL SYSTEM Main Street	LUMP SUM	LUMP	SUM	_____	_____
3320	654.05 ADAPTIVE SIGNAL CONTROL SYSTEM Western Ave	LUMP SUM	LUMP	SUM	_____	_____
3330	654.3335 FIBER OPTIC MANHOLE	1.000 EA	_____	_____	_____	_____
3340	654.351 CONNECTED ROADSIDE UNIT (RSU)	104.000 EA	_____	_____	_____	_____
3350	654.352 ON-BOARD UNIT (OBU) VEHICLE EQUIPMENT	15.000 EA	_____	_____	_____	_____
3360	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP	SUM	_____	_____
3370	659.10 MOBILIZATION	LUMP SUM	LUMP	SUM	_____	_____
Section: 1			Total:		_____	_____
			Total Bid:		_____	_____

SPECIAL PROVISION
SECTION 643
TRAFFIC SIGNALS
(Non-Invasive Detection - Advance)

Description. This item shall consist of furnishing and installing a non-invasive advance vehicle detection system including all necessary fittings, mounting hardware and appurtenances necessary to provide for a fully operational system at the locations shown on the plans or as indicated by the Maine Department of Transportation (MaineDOT).

Materials. The non-invasive advance vehicle detection system shall include a stand-alone, radar-based detector and an integrated machine processor, Microsoft Windows based configuration software that provides for configuring the non-invasive advance vehicle detection system. The Non-Invasive Detection – Advance shall include equipment meeting the following and all the requirements as defined under item 718.13. The use of a hybrid/combination unit to meet the following specifications shall not be allowed. A hybrid/combination unit is defined as a device designed to function using multiple detection technologies. The interface provided shall provide for the viewing of real time detection data and updating the memory of the non-invasive advance vehicle detection system. All mounting hardware, Ethernet communications interface panel, Advanced Transportation Controller Cabinet (ATCC) detector interface panel, detector cabling, all associated equipment, software and licenses and miscellaneous fittings, cabinet wiring, and all labor, materials and equipment required to complete the installation shall be included. The non-invasive detection system shall be integrated into the ATCC cabinet and made fully functional. No additional hardware, software items and/or subscription fees/costs shall be needed/allowed to satisfy the requirements as defined in these specifications. The non-invasive advanced vehicle detector shall be the Wavetronix Smart Sensor Advance.

All non-invasive advance vehicle detection system components shall be current production equipment produced by the same manufacturer as otherwise noted herein or approved in advance by MaineDOT. The non-invasive advance vehicle detection system hardware shall operate without degradation over a temperature range of -40 to 165 degrees Fahrenheit at a relative humidity up to 95% non-condensing.

The non-invasive advance vehicle detection system must meet the National Electrical Manufacturers Association (NEMA) 250 Standards for the enclosure, be able to detect vehicles at a minimum of 600 ft distance from the detector and the ability to simultaneously detect and track multiple vehicles. The non-invasive advance vehicle detection system's hardware and software used to setup, configure and communicate must be compatible with the vehicle detection's operating system.

Construction Requirements. The Contractor shall be responsible for furnishing all training, labor, materials, cables, connectors, tools, equipment, shipping and incidental items necessary to complete the installation and make the non-invasive advance vehicle detection system fully operational.

Installation of the non-invasive advance vehicle detection system shall include the installation of any and all associated equipment including, but not limited to, the following:

- a. Detector assembly with integrated machine vision processor. The Contractor shall furnish one assembly per designated approach as indicated in the plans.
- b. Detector Ethernet communications interface panel. The Contractor shall furnish one detector communications interface panel per cabinet.
- c. ATCC detector interface panel. The Contractor shall furnish one detector ATCC detector interface panel per cabinet.
- d. Detector Cable. The Contractor shall furnish the specified cable type, all connectors, sealing tape and incidental work necessary to complete the installation of the connector cable between the detector assembly and the interface panel.
- e. Mounting Brackets and Ancillary Equipment and Labor. The Contractor shall furnish detector mounting brackets and all associated equipment labor, materials and incidental work necessary to attach the detector assemblies to a mast arm or extension bracket, complete the installation and make the non-invasive advance vehicle detection system fully operational.

The Contractor shall install the Non-Invasive Detection - Advance processor system software on the cloud-based Central Management System (CMS). In addition, the Contractor shall install and configure the Non-Invasive Detection – Advance system software on ten (10) computers/systems as required by MaineDOT to allow for visual confirmation of the detection zones as shown on the plans.

All equipment shall be installed and wired in a neat and orderly manner in conformance with the manufacturer's instructions. The detector assembly(s) shall be installed attached to a support structure in accordance with the manufacturer's instructions to provide the optimal field of detection as directed by MaineDOT and/or the Engineer.

The non-invasive advance vehicle detection zones shown on the plans are for illustrative purposes only. Final detection zones shall be located in the field and approved by MaineDOT and/or Engineer.

The installation will be considered complete when the Contractor shows that the non-invasive advance detection system has successfully and consistently placed a call to the Advanced Transportation Controller (ATC). The call shall be placed when a vehicle has been detected in the dilemma zone as shown on the plans. In addition, the completed installation shall provide remote access to the Non-Invasive Detection - Advance system via MaineDOT control and or the cloud-based CMS/ACST.

Method of Measurement. The non-invasive advance vehicle detection system will be measured for payment as a lump sum for a fully installed and operational Non-Invasive Detection – Advance system. All items, equipment, labor, incidentals and testing required to create a fully functional system will be considered incidental to the cost of this item. The item shall be unconditionally warranted for at least 3 years from installation and certified to comply with the product’s published specification by an independent laboratory.

Basis of Payment. Payment will be full compensation for furnishing, transporting, handling, and installing the materials and equipment specified and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

<u>Pay Item</u>	<u>Pay Unit</u>
643.22 Non-Invasive Detection - Advance: Sheet #3 CCD & Darin Dr	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #4 CCD & I-95 NB	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #5 CCD & I-95 SB	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #6 CCD & Leighton Rd	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #7 CCD & University Dr	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #8 CCD & Townsend Rd	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #9 Eastern Ave & Cony Rd	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #10 Eastern Ave & Stone St	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #11 Eastern Ave & Spring St/Togus Rd	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #12 Hospital St & Piggery Rd/Tyson Dr	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #13 Route 3 & Church Hill Rd	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #14 Route 3 & N Belfast Ave	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #15 Route 3 & Riverside Dr	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #16 Route 3 & Route 104	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #18 S Belfast Ave & Cony Rd	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #23 Western Ave & Armory St	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #24 Western Ave & Augusta Xing	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #25 Western Ave & Edison Dr	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #26 Western Ave & Orchard St	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #27 Western Ave & Senator Way	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #29 Western Ave & Shuman Dr	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #31 Western Ave & Whitten Rd	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #40 Whitten Rd & Hannaford Dr	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #42 Main St & Starrett Dr	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #44 Route 1 & Route 52	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #47 Route 201 & KVCOG	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #49 Route 4 & Route 2/27	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #51 Route 4 & Hannaford Dr	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #52 Route 4 & Walmart Dr	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #53 Route 4 & Hospital St	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #54 Bridge St & Maine Ave	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #57 Main St & Fairfield St	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #59 Water St & Bridge St	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #60 Main St & Walmart Dr	Lump Sum
643.22 Non-Invasive Detection - Advance: Sheet #61 Main St & Jagger Mill R	Lump Sum

643.22	Non-Invasive Detection - Advance: Sheet #62 Main St & Shaws Dr	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #63 Main St & Westview St	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #64 Main St & Alumni Dr/ Old Mill Rd	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #70 Route 4 & Grammar Rd/New Dam	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #71 Route 224 & River St	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #72 Route 4A/202 & Route 224	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #73 Route 202 & Route 32	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #74 KMD & First Park Dr	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #75 KMD & I-95 SB	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #76 KMD & I-95 NB	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #77 KMD & Washington St	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #78 KMD & Shaws Dr	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #79 KMD & 1st Rangeway	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #80 KMD & Hannaford Dr	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #81 KMD & Cool St	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #82 KMD & West River Rd	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #83 KMD & CMD	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #93 Main St & Armory St	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #94 Main St & Waterville Commons	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #95 Main St & I-95 NB	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #96 Main St & I-95 SB	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #97 College Ave & Hazelwood Ave	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #98 KMD & Airport Rd	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #99 CMD & Cushman Rd	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #101 Route 201 & Clinton Ave	Lump Sum
643.22	Non-Invasive Detection - Advance: Sheet #104 Route 201 & CMD	Lump Sum

SPECIAL PROVISION
SECTION 643
TRAFFIC SIGNALS
(Non-Invasive Detection – Stop Bar)

Description. This item shall consist of furnishing and installing a non-invasive stop bar vehicle detection including all necessary fittings and mounting hardware at the locations shown on the plans or as indicated by the Maine Department of Transportation (MaineDOT).

Materials. The Contractor shall furnish and install a Stop Bar Vehicle Detection (SBVD) system that detect vehicles on a roadway by processing images sent from an IP based sensor to an interface board with detector outputs that can be received by the traffic signal controller. The SBVD shall include equipment meeting the following and all the requirements as defined under item 718.13. These IP based traffic sensors shall be installed at the locations shown on the plans and in accordance with these specifications. All remote communications for the Non-Invasive Detection – Stop Bar system shall be routed electrically, and IP based to the Field Monitoring Unit (FMU) or the Fiber Ethernet Switch; the use of a separate cellular modem/data connection shall not be allowed. No additional hardware, software items and/or subscription fees/costs shall be needed/allowed to satisfy the requirements as defined in these specifications. All Non-Invasive Detection – Stop Bar units supplied by the Contractor as part of this project shall be from the same manufacturer and be the identical make/model and firmware revision. The SBVD shall be supplied by one of the following listed manufactures:

- Gridsmart/Cubic
- MioVision
- Flir (Thermal)
- Wavetronix Stop Bar detection system

The SBVD system shall be non-intrusive (i.e. above ground) and shall consist of:

- a. Mounting brackets
- b. IP based Traffic sensor and detection module (radar shall provide IP cabinet interface device)
- c. Communications cable

The SBVD system, at a minimum, shall:

- Collect and store volume, speed, and classification of all vehicle types as well as bicycles and pedestrians;
- Provide stop bar detection;
- Be ATCC 5301 v02 compatible
- Be ATC 5201 v06 compatible
- Provide Turning Movement counts through either manufactures software or as inputs into the MaineDOT Central Management Software (CMS)
- Provide remote access to digital video stream

- Support remote configuration
- Shall be connected to FMU switchable power outlet

The SBVD system shall be connected, via Ethernet, to the Fiber Ethernet switch or Field Monitoring Unit (FMU) in each Advanced Transportation Controller Cabinet (ATCC), and to the cloud-based video management server over the cellular modem.

If the ATCC is supplied with a Fiber Ethernet Switch and connected to the existing City fiber network, the Contractor shall establish a Virtual Private Network (VPN) communication pathway with input from the City IT department to allow for remote monitoring and control.

Components of the SBVD system shall all be the same make and model. As a minimum, the SBVD system shall be supplied and installed with the following functionality:

- Shall have the capability of remotely displaying live video streams and/or live radar telemetry from all IP video/radar detection units installed at the intersections. The setup of detection zones shall be available via remote access. The system shall log which user made any changes to the detection zone configurations.
- Shall support communication of Telemetry Data, Video Data, Alert Data, and Vehicle Identification Data to the Server via the Communication Service.
- Shall be connected to the Ethernet Switch and/or the FMU in each ATCC.
- Shall acquire and record phase, channel, detector, pedestrian detector, pre-emption, alarm and overlap statuses at a frequency of no less than 10 times per second including whether a phase is next or has a call for service on it
- Shall consist of an SBVD system at all project intersections, as shown in the Plans.
- Video detection shall consist of an IP based camera assembly and a digital video detection system. Analog cameras with separate video encoders shall not be allowed.
- Radar detection shall consist of a radar sensor and IP cabinet interface device.
- Every vehicular approach at every project intersection shall be included in the vehicle detection system, as shown in the Plans.
- Shall be supplied with the ability to automatically collect and process data based on the classification of vehicles.
- Shall provide 24/7 turning movement count reports at no additional costs to MaineDOT for the life of the product.
- Shall be connected to the in-cabinet high speed communications bus (SIU) within the controller cabinet.
- Shall transmit detector data to the controller unit via the in-cabinet high speed communications bus (SIU) within the controller cabinet.
- Shall be installed in the ATCC such that SBVD is electrically powered via one of the switchable duplex outlets provided on the FMU. This configuration shall allow MaineDOT to power cycle and reset the SBVD, via remote FMU control (outlet power), in the event that the detection unit locks up.

Construction Requirements. The Contractor shall be responsible for furnishing all training, labor, materials, cables, connectors, tools, equipment, shipping and incidental items necessary to complete the installation and make the non-invasive stop bar vehicle detection system fully operational.

Installation of the non-invasive stop bar vehicle detection system shall include the installation of any and all associated equipment including, but not limited to, the following:

- a. Detector Assembly with integrated machine vision processor. The Contractor shall furnish at a minimum of one assembly per applicable approach and/or a signal device for all approaches.
- b. Detector Communications Interface Panel. The Contractor shall furnish one detector communications interface panel per cabinet.
- c. Detector Cable. The Contractor shall furnish the specified cable type, all connectors, sealing tape and incidental work necessary to complete the installation of the connector cable between the detector assembly and the interface panel.
- d. Mounting Brackets and Ancillary Equipment and Labor. The Contractor shall furnish detector mounting brackets and all associated equipment labor, materials and incidental work necessary to attach the detector assemblies to a mast arm or extension bracket, complete the installation and make the non-invasive stop bar vehicle detection system fully operational.

The Contractor shall install the SBVD system software on any number of computers/systems as required by MaineDOT to allow visual confirmation of the detection zones as shown on the plans. All equipment shall be installed and wired in a neat and orderly manner in conformance with the manufacturer's instructions. The detector assembly(s) shall be affixed to the support structure in accordance with the manufacturer's instructions to provide the optimal field of detection.

The non-invasive stop bar vehicle detection locations shown on the Plans are for illustrative purposes only. Final locations shall be located in the field and shall be approved by MaineDOT and/or the Engineer. The Contractor may be required to adjust and readjust the location of existing and proposed vehicle detection zones in the presence of the Engineer, at no additional cost, to properly set the detection areas

Installation will be considered complete when the Contractor shows the system successfully and consistently places a request to the controller to call and extend the appropriate phase based on a vehicle detected in the detection zone; and remote access to the SBVD via MaineDOT control and or the cloud based CMS/ACST.

Method of Measurement. The non-invasive stop bar vehicle detection system will be measured for payment as a lump sum system fully installed and operational. All items, equipment, labor and incidentals required to create a fully functional system will be considered incidental to the cost of this item. Units shall be pre-approved or unconditionally warranted for at least 3 years from factory purchase and certified to comply with the product's published specification by an independent laboratory.

Basis of Payment. Payment will be full compensation for furnishing, transporting, handling, installing and testing the materials and equipment specified and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

<u>Pay Item</u>	<u>Pay Unit</u>
643.21 Non-Invasive Detection - Stop Bar: Sheet #1 Capitol St & Sewall St	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #2 CCD & Commerce Dr	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #4 CCD & I-95 NB	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #5 CCD & I-95 SB	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #6 CCD & Leighton Rd	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #7 CCD & University Dr	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #8 CCD & Townsend Rd	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #9 Eastern Ave & Cony Rd	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #10 Eastern Ave & Stone St	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #11 Eastern Ave & Spring St/Togus Rd	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #12 Hospital St & Piggery Rd/Tyson Dr	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #13 Route 3 & Church Hill Rd	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #14 Route 3 & N Belfast Ave	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #15 Route 3 & Riverside Dr	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #16 Route 3 & Route 104	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #17 Senator Way & Crossing Way	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #18 S Belfast Ave & Cony Rd	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #19 State St & Capitol St	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #20 State St & Union St	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #21 Stone St & Hannaford Dr	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #22 Western Ave & Airport Rd	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #23 Western Ave & Armory St	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #24 Western Ave & Augusta Xing	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #25 Western Ave & Edison Dr	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #26 Western Ave & Orchard St	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #27 Western Ave & Senator Way	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #28 Western Ave & Sewall St	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #29 Western Ave & Shuman Dr	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #30 Western Ave & U-Haul	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #31 Western Ave & Whitten Rd	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #32 Route 3 & Medical Center Pkwy	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #33 Route 3 & Route 27	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #34 State St & Winthrop St	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #35 State St & Bridge St	Lump Sum
643.21 Non-Invasive Detection - Stop Bar: Sheet #36 Water St & Bridge St	Lump Sum

643.21	Non-Invasive Detection - Stop Bar: Sheet #37 Cony St & City Center Dr	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #38 Bangor St & Quimby St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #39 Bangor St & N Belfast Ave	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #40 Whitten Rd & Hannaford Dr	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #42 Route 3 & Starrett Dr	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #43 Main St & High St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #44 Route 1 & Route 52	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #46 Route 201 & Bridge St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #47 Route 201 & KVCOG	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #48 Route 4 & Broadway	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #49 Route 4 & Route 2/27	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #50 Route 4 & Bridge St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #51 Route 4 & Hannaford Dr	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #52 Route 4 & Walmart Dr	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #53 Route 4 & Hospital St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #54 Bridge St & Maine Ave	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #55 Bridge St & Water St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #56 Main St & Perkins St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #57 Main St & Fairfield St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #58 Pleasant St & Oak St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #59 Water St & Bridge St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #60 Main St & Walmart Dr	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #62 Main St & Shaws Dr	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #63 Main St & Westview St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #66 Main St & Washington St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #67 Main St & Route 202	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #68 Main St & Route 224	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #69 Route 4A/202 & River St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #70 Route 4 & Grammar Rd	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #71 Route 224 & River St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #72 Route 4A/202 & Route 224	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #73 Route 202 & Route 32	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #74 KMD & First Park Dr	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #75 KMD & I-95 SB	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #76 KMD & I-95 NB	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #77 KMD & Washington St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #78 KMD & Shaws Dr	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #79 KMD & 1st Rangeway	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #80 KMD & Hannaford Dr	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #81 KMD & Cool St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #82 KMD & West River Rd	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #83 KMD & CMD	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #84 Silver St & Elm St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #85 Elm St & Western Ave	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #86 Elm St & Park St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #88 Spring St & Silver St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #89 Spring St & Elm St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #92 Main St & Eustis Pkwy	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #93 Main St & Armory St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #94 Main St & Waterville Commons	Lump Sum

643.21	Non-Invasive Detection - Stop Bar: Sheet #95 Main St & I-95 NB	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #96 Main St & I-95 SB	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #97 College Ave & Hazelwood Ave	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #99 CMD & Cushman Rd	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #100 China Rd & Cushman Rd	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #101 Route 201 & Clinton Ave	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #102 Route 201 & Halifax St	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #103 Route 201 & China Rd	Lump Sum
643.21	Non-Invasive Detection - Stop Bar: Sheet #104 Route 201 & CMD	Lump Sum

SPECIAL PROVISION
SECTION 639
ENGINEERING FACILITIES

639.03 General Add the following paragraph:

Under this Contract, the Contractor shall provide a Field Office Type C for use by the Resident and other State Employees. Since this Contract includes work in thirteen Municipalities, the Contractor shall establish a Field Office in a location acceptable to the Resident that will provide access to numerous intersection improvements shown in the plans. Upon completion of work in one Municipality, the Contractor may relocate the Field Office to the next work site in a new Municipality. The Contractor should estimate a minimum of two to three Field Office moves after initial setup. This will need to be coordinated with the Resident depending on how the Contractor schedules the work. If the Contractor works in multiple locations greater than approximately 15 miles apart, additional trailers may be needed at no additional cost to the Department. Initial setup and relocation of trailer will require disconnection of utilities at one site and reconnection of utilities at the new site.

The Resident will utilize the MaineDOT Headquarters or another State Facility as a Field Office for the Augusta, Gardiner, Randolph and So. China intersection improvements. The Contractor will need to supply one (1) Field Office Type C to be utilized in the Waterville area for the work in that area. Upon completion of the Waterville area work, the Field Office would be relocated to the Sanford area. As stated above, if the Contractor decides to work the Waterville area and Sanford area at the same time, the Contractor will need to provide a second trailer at no cost to the Department.

639.10 Method of Measurement Replace the paragraph with the following:

Field office will be measured by the unit for one (1) Type C trailer to be provided, equipped and maintained satisfactorily.