

Addendum No. 1 to IFB 23-42



CITY OF SOMERVILLE, MASSACHUSETTS
Department of Procurement and Contracting Services
KATJANA BALLANTYNE
MAYOR

To: Bidders of IFB 23-42 2023 Street Resurfacing Project- Western Washington and Select Locations

From: Andrea Caruth, Deputy Chief Procurement Officer

Date: March 27, 2023

Re: Responses to requests for information

Addendum No. 2 to IFB 23-42

This addendum shares responses to requests for information.

**** Failure to acknowledge this addendum may result in bid disqualification. ****

NAME OF COMPANY / INDIVIDUAL: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

TELEPHONE/FAX/EMAIL: _____

SIGNATURE OF AUTHORIZED INDIVIDUAL: _____

ACKNOWLEDGEMENT OF ADDENDA:

Addendum #1 _____ **#2** _____ **#3** _____ **#4** _____

Addendum No. 1 to IFB 23-42

TO ALL BIDDERS:

Bidders are hereby informed that Contract Documents for the above-mentioned contract are modified, corrected, and/or supplemented as follows and Addendum No. 1 becomes part of the Contract Documents and consists of the following:

Attachment D: Section AA: Type 5- Direct Inlet Catch Basin – Section

DELETE 6'-0" sump depth

REPLACE with 4'-0 sump depth

Specifications Addendum 1 Page 19 of 114

DELETE Item 351.12 12" Gate & Gate Box Remove and Reset

REPLACE Item 358.2 Gate Box Adjusted Sidewalk (each): The work to be done under these Items consists of adjusting gate boxes in streets and on sidewalks and installing new gates with gate boxes and new roadway gate boxes as directed by the Engineer to the grades as required in accordance with the relevant provisions of Section 301. This work shall include all fittings, restraints, and dresser couplings. Compensation shall be at the contract unit price each.

ADD Item 350.06 6 Inch Gate and Gate Box (each)

ADD Item 350.08 8 Inch Gate and Gate Box (each)

ADD Item 350.12 12 Inch Gate and Gate Box (each)

Specifications Addendum 1 Pages 76 to 80 of 114

DELETE Item 816.01 Traffic Signal Reconstruction (lump sum)

DELETE Item 819.99 Accessible Pedestrian Signal (APS) (each)

ADD Item 816.01 Traffic Signal Reconstruction Location No.1 (lump sum)

ADD Item 816.02 Traffic Signal Reconstruction Location No. 2 (lump sum): Location No. 2: Washington Street and Calvin Street/Dane Street in Somerville:

The work to be done under these Items shall conform to the relevant provisions of Section 800 of the Standard Specifications, 2009 Manual on Uniform Traffic Control Devices (MUTCD), and the MassDOT amendments to the MUTCD, as amended and supplemented by the following.

The work shall include the following items at the two signalized intersections:

Location No. 1: Washington Street and Beacon Street in Somerville:

- Adjust the existing traffic signal head displays and vehicle detection zones to line up with the new lane use along Washington Street approaches as per MUTCD guidelines.
- Revise signal timings for vehicles and pedestrians in the existing traffic signal controller as directed by the City Engineer.
- Plus, all miscellaneous equipment and materials necessary to provide a complete operating traffic control signal.

Location No. 2: Washington Street and Calvin Street/Dane Street in Somerville:

- Adjust the existing traffic signal head displays and vehicle detection zones to line up with Washington Street and Dane Street approaches as per MUTCD guidelines.
- Install 4 new pedestrian signal posts with foundation and 5 new countdown pedestrian signal head displays with APS push buttons as shown on the plan.
- Install 3 new countdown pedestrian signal head displays with APS push buttons on existing pedestrian signal posts with existing foundation as shown on the plan.

Addendum No. 1 to IFB 23-42

- Investigate and install new or use the existing conduit to connect the proposed pedestrian signal head displays to the controller cabinet.
- Revise signal timings for vehicles and pedestrians in the existing traffic signal controller as directed by the City Engineer.
- Remove and transport existing pedestrian signal equipment to the City of Somerville office.
- Plus, all miscellaneous equipment and materials necessary to provide a complete operating traffic control signal.

Traffic signal operation and signalized intersection approaches shall be in conformance with the MUTCD throughout construction except when the intersection is under police control. The contractor shall submit any proposed interim traffic lane and traffic signal arrangements at the intersection that deviate from the existing or proposed arrangements to the City Engineer for approval.

Existing Installations

The minor modifications that are required at the existing signal shall be made while maintaining the existing signal in operation throughout the construction period except when the intersection is under police control. The Contractor may use temporary supports for signal heads as necessary to allow construction activities.

Any temporary installations shall be in conformance with the MUTCD at all times. If an existing signal is to be turned off temporarily to allow controller switch overs or rewiring, police detail shall be used to control traffic at the intersection.

After construction is completed and the new signal is in operation, unused items of the old signal shall be completely removed and transported as directed by the Engineer in accordance with Section 815.65. Old cable and unusable materials shall be disposed of by the Contractor.

All New Materials – Paint Requirement

The Contractor shall deliver to the Engineer a certificate of compliance from the manufacturer for all materials purchased from the manufacturer/distributor. All materials shall be new, and certain components, such as the controller and cabinet, shall be purchased from the same manufacturer/distributor and assembled by a qualified electrician/technician to ensure compatibility of components. All equipment shall be painted in black in accordance to the existing signal equipment at each location and per standard City of Somerville requirements.

Shop Drawings

Within 30 days after the date of the Notice To Proceed, the Contractor shall submit shop drawings for signal supports, a list of equipment, and manufacturer's equipment specifications to the Engineer in accordance with the relevant provisions of Section 815.20.

No work shall commence by the Contractor until approval of the shop drawings and manufacturer's data has been received in writing from the Engineer. Approval of these drawings will be general in character and shall not relieve the Contractor from the responsibility of, or the necessity of, furnishing materials and workmanship conforming to the plans, standard specifications, and these special provisions.

Flashing Operation

Changes from automatic flashing to stop-and-go operation from stop-and-go to automatic flashing operation shall occur as set forth in Section 4D-28 through 4D-31 of the 2009 MUTCD.

Signal Cable and Wiring

All signal cable connections in the bases of signal poles, posts, and cabinet shall be made by means of appropriate terminal blocks. These blocks shall be completely furnished and installed on terminal block mounting strips in bases. All cables & wires shall comply with Section 813.

Traffic Signal Equipment; Terminal & Facilities

The traffic signal controller units (CU), malfunction management units (MMU), detector amplifiers, cabinet power supply, bus interface units (BIUs) and all other ancillary traffic signal control components included in the traffic control cabinet shall comply with the National Electrical Manufacturers Association (NEMA) Standard No. TS2-2016, Traffic Controller Assemblies with NTCIP Requirements.

Testing of Ground System

Addendum No. 1 to IFB 23-42

The Contractor shall perform testing of the equipment grounding system in the presence of the Engineer in accordance with the Standard Specifications.

Testing of Traffic Signal System

The signal shall operate continuously for 30 days without failure before requesting a final inspection. The Contractor shall perform testing of the equipment grounding, terminals & facilities, detectors, and other systems as applicable in the presence of the personnel from the city and the City Engineer in accordance with the Standard Specifications.

Traffic Signal Posts and Bases

Traffic signal posts and bases shall be MassDOT standard one-piece aluminum. Bases shall be provided with a door opening complete with a cap screw fastening device and a tapped hole for a brass grounding lug. There are several locations as indicated on the construction plans for the intersection at Washington Street/Dane Street/Calvin Street that the proposed pedestrian signal head displays are on existing traffic signal post on the existing foundation. All the work associated with the removal and reset of the foundation, if needed, shall be included under this lump sum Item 816.

Pedestrian Signal Heads with Countdown Display

The housings shall be 16" LED Type with countdown display. All pedestrian signal indications shall have full overlay international symbol (Hand/Person) graphics (not outlined) or to match existing countdown pedestrian signal head displays. All indications used at an intersection shall be a similar style. The pedestrian signal head shall be a 16"x18" single bimodal section with Count Down Timer. The placement of pedestrian signals shall conform to the Section 4E of the 2009 MUTCD.

Accessible Pedestrian Signals (APS) pedestrian push buttons

All new pedestrian signal push buttons shall be the Navigator Accessible Pedestrian Signal (APS) or approved equivalent. Upon activation, the APS shall provide an audible locator tone and vibrate during the WALK cycle. Audio output levels shall self-adjust depending on ambient noise conditions.

The APS shall provide a vibro-tactile ADA-compliant 50 mm pushbutton with a raised directional arrow. Pedestrian push button controls shall be raised from or flush with their housings and shall be a minimum of 50 mm in the smallest dimension. The force required to activate the controls shall be no greater than 2.25 kg (5 lb).

Pedestrian pushbuttons shall incorporate a locator tone at the pushbutton. Pushbutton locator tone volume measured at 92 cm (3.0 ft) from the pushbutton shall be 2 dB minimum and 5 dB maximum above ambient noise level and shall be responsive to ambient noise level changes. The duration of the locator tone shall be 0.15 s maximum and shall repeat at intervals of one second. The locator tone shall operate during the DON'T WALK and flashing DON'T WALK intervals only and shall be deactivated when the pedestrian signal is not operative.

Pedestrian push buttons shall be located as close as practicable to the sidewalk curb ramp serving the controlled crossing and shall permit operation from a clear ground space. If two crosswalks, oriented in different directions, end at or near the same location, the positioning of pedestrian pushbuttons and/or legends on the pedestrian push button signs should clearly indicate which crosswalk signal is actuated by each pedestrian push button.

The placement of pedestrian signal push buttons or detectors shall conform to the Section 4E-08 of the 2009 MUTCD and/or as shown on the plan sheets. The 9"x 15" standard sign (R10-3e) shall be integral to the pushbutton assembly or mounted immediately above the button.

A maximum mounting height of 1.07 m (42 inches) above the finish sidewalk grade shall be used for pedestrian push buttons.

A field test of a single APS shall be performed in the presence of the Engineer. All repairs or replacements required to ensure a fully operational system shall be at the Contractor's expense.

The Accessible Pedestrian Signal (APS) will be measured as the actual number that are installed and accepted.

BASIS OF PAYMENT

The work under this item will be paid for at the respective Contract lump sum price, which price shall include all labor, material, equipment, and incidental costs required to complete work. No separate

Addendum No. 1 to IFB 23-42

payment will be made for maintenance of existing installations, the removal and stacking and transporting of existing traffic signal equipment, but all costs in connection therewith shall be included in the lump sum price.

Conduit, if required, will be paid separately under Item 804.3, 3-inch Electrical Conduit Type NM-Plastic (UL). Additionally, pull boxes, if required, will be paid separately under Item 811.31.

#	Question	Response
1	Item 816.01 Traffic Signal Reconstruction = 1 LS: the specifications state a list of major components of the traffic signal system are included in the plans, after looking through the provided plans “attachments A-D” I do not see a traffic signal plan or a list of Major items for this Bid Item. Can you please clarify?	The following items will be needed for Traffic Signal Equipment: <ul style="list-style-type: none"> • 8 APS Pushbuttons • 8 pedestrian signal heads • 4 pedestrian signal posts • 0 vehicle signal heads
2	Item 819.99 Accessible Pedestrian Signal APS = 8 Each: the Bid Item List has a quantity of “8” each called out. The specifications for the APS buttons call out a quantity of “4” Each. The Pedestrian Signal Heads do not show a Quantity. Can you please clarify?	The number on the Bid Item List is correct: 8 APS are needed for this project.
3	Confirm all sidewalk joints to be saw cut and not tool marked as changed from previous contract.	All sidewalk joints are to be saw cut.
4	Clarify Item 351.12, 12” Gate & Gate Box Remove and Reset, that the intent is Gate Box Remove and Reset, not replacing gate valve.	See addendum for revised specifications for the following item 358.2 “Gate Box Adjusted Sidewalk”. See new items in the specifications for the following items: 350.06 “6 Inch Gate and Gate Box”, and #350.08: “8 Inch Gate and Gate Box”. Items are accompanied by the new bid form in the addendum.
5	In the IFB it states twice that the Substantial Completion Date is 11/1/24 and the Final Completion Date is 11/29/24. On page 3 of 113 in the Scope and Specifications it lists various dates from August 25, 2023 and October 1, 2023. Which is correct? If it’s the latter 2023 dates, then completion by those dates is unrealistic given the challenges of materials supply, such as granite curb etc. Please consider revising the dates to 2024.	Substantial Completion is the date for the entire project scope of work. The dates listed under “Work Schedule” on page 3 of 113, are milestone dates for selected projects.
6	The details for Catch Basins in Attachment D calls for 6 foot sumps.	Attachment D, Page 5 of 8, “Section AA: Type 5- Direct Inlet Catch Basin – Section” shows a

Addendum No. 1 to IFB 23-42

	The city revised this to 4 foot sumps in the previous contract. Please consider revising this to 4 foot sumps.	6'-0" sump depth. The correct sump depth is 4'-0".
7	Item 999.4 Monthly Price Adjustment HMA is \$555,270.00. This must be a typo.	Item 999.4 Monthly Price Adjustment for HMA is a Lump Sum Item. This has been corrected, please see revised bid form in the addendum.
	In the Scope and Specifications the base price for Liquid Asphalt, Cement Concrete and Diesel are all from October 2022. Please revise to current numbers.	The price adjustments were calculated using an average price adjustment between the dates of December 2021 and October 2022. This estimate is for bidding purposes only. The actual price adjustment will be calculated per the measurement and payment terms in the special provisions.
8	Please issue a plan holders list.	It has been posted to the website and attached.

BID PRICING PAGE

2023 COMPLETE STREETS IMPROVEMENTS PROJECT, SOMERVILLE, MA

VARIOUS PUBLIC STREETS, SIDEWALK RECONSTRUCTION, ACCESSIBLE CURB CUTS, PAVEMENT RESTRIPIING, AND PUBLIC ROAD PARTIAL REPAVEMENT

Item #	Estimate Quantity	Unit	Item Description with Unit Bid Price written in words	Unit Price		Amount	
				Dollars	Cents	Dollars	Cents
102.511	180	EACH	TREE PROTECTION - ARMORING & PRUNING				
			Unit Price in words:				
102.521	100	FOOT	TREE AND PLANT PROTECTION FENCE				
			Unit Price in words:				
103.	1	EACH	TREE REMOVED - DIAMETER UNDER 24 INCHES				
			Unit Price in words:				
104.	1	EACH	TREE REMOVED - DIAMETER 24 INCHES AND OVER				
			Unit Price in words:				
105.	10	EACH	STUMP REMOVED				
			Unit Price in words:				
120.1	5,400	CUBIC YARD	UNCLASSIFIED EXCAVATION				
			Unit Price in words:				
141.1	30	CUBIC YARD	TEST PIT FOR EXPLORATION				
			Unit Price in words:				
142.	50	CUBIC YARD	CLASS B TRENCH EXCAVATION				
			Unit Price in words:				
151.	4,800	CUBIC YARD	GRAVEL BORROW				
			Unit Price in words:				
170.	32,400	SQUARE YARD	FINE GRADING AND COMPACTING - SUBGRADE AREA				
			Unit Price in words:				
201.5	20	EACH	CATCH BASIN - MUNICIPAL STANDARD				
			Unit Price in words:				
202.01	1	EACH	MANHOLE - MUNICIPAL STANDARD				
			Unit Price in words:				
				Subtotal			
				Amount from Page 1			

Item #	Estimate Quantity	Unit	Item Description with Unit Bid Price written in words	Unit Price		Amount	
				Dollars	Cents	Dollars	Cents
206.01	1	EACH	DROP INLET - MUNICIPAL STANDARD				
			Unit Price in words:				
220.	40	EACH	DRAINAGE STRUCTURE ADJUSTED				
			Unit Price in words:				
220.1	25	EACH	MANHOLE ADJUSTED				
			Unit Price in words:				
220.2	10	FOOT	DRAINAGE STRUCTURE REBUILT				
			Unit Price in words:				
220.3	15	EACH	DRAINAGE STRUCTURE CHANGE IN TYPE				
			Unit Price in words:				
220.6	1	FOOT	SANITARY STRUCTURE REBUILT				
			Unit Price in words:				
220.7	40	EACH	SANITARY STRUCTURE ADJUSTED				
			Unit Price in words:				
222.3	15	EACH	FRAME AND GRATE (OR COVER) - MUNICIPAL STANDARD				
			Unit Price in words:				
223.2	15	EACH	FRAME AND GRATE (OR COVER) - REMOVED AND DISCARDED				
			Unit Price in words:				
225.52	25	EACH	TRAP AND HOOD MUNICIPAL STANDARD				
			Unit Price in words:				
238.12	15	FOOT	12 INCH DUCTILE IRON PIPE				
			Unit Price in words:				
241.12	20	FOOT	12 INCH REINFORCED CONCRETE PIPE				
			Unit Price in words:				
252.12	300	FOOT	12 INCH CORRUGATED PLASTIC PIPE				
			Unit Price in words:				
350.06	1	EACH	6 INCH GATE AND GATE BOX				
			Unit Price in words:				
				Subtotal			
				Amount from Page 2			

Item #	Estimate Quantity	Unit	Item Description with Unit Bid Price written in words	Unit Price		Amount	
				Dollars	Cents	Dollars	Cents
350.08	1	EACH	8 INCH GATE AND GATE BOX				
			Unit Price in words:				
350.12	10	EACH	12 INCH GATE AND GATE BOX				
			Unit Price in words:				
357.	5	EACH	GATE BOX NEW				
			Unit Price in words:				
358.	50	EACH	GATE BOX ADJUSTED ROADWAY				
			Unit Price in words:				
358.2	140	EACH	GATE BOX ADJUSTED SIDEWALK				
			Unit Price in words:				
376.5	20	EACH	HYDRANT ADJUSTED				
			Unit Price in words:				
402.	30	CUBIC YARD	DENSE GRADED CRUSHED STONE FOR SUB-BASE				
			Unit Price in words:				
415.1	22,000	SQUARE YARD	PAVEMENT STANDARD MILLING				
			Unit Price in words:				
431.1	6	CUBIC YARD	HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE				
			Unit Price in words:				
452.	3,600	GALLON	ASPHALT EMULSION FOR TACK COAT				
			Unit Price in words:				
453.	7,000	FOOT	HMA JOINT SEALANT				
			Unit Price in words:				
458.71	200	SQUARE FOOT	COLORED PAINT FOR LANE COLORING (PAINTED)				
			Unit Price in words:				
458.82	44,000	SQUARE FOOT	HIGH FRICTION SURFACE TREATMENT FOR LANE COLORING "MMA"				
			Unit Price in words:				
460.	2,900	TON	HOT MIX ASPHALT FOR LOCAL STREETS				
			Unit Price in words:				
				Subtotal			
				Amount from Page 3			

Item #	Estimate Quantity	Unit	Item Description with Unit Bid Price written in words	Unit Price		Amount	
				Dollars	Cents	Dollars	Cents
460.1	740	TON	HOT MIX ASPHALT RAISED CROSSWALKS & SPEED TABLES				
			Unit Price in words:				
472.	200	TON	TEMPORARY ASPHALT PATCHING				
			Unit Price in words:				
482.3	305		SAWCUTTING ASPHALT PAVEMENT				
			Unit Price in words:				
504.	2,200	FOOT	GRANITE CURB TYPE VA4 - STRAIGHT				
			Unit Price in words:				
504.1	389	FOOT	GRANITE CURB TYPE VA4 - CURVED				
			Unit Price in words:				
504.3	150	FOOT	GRANITE CURB TYPE VA4 - BEVELED				
			Unit Price in words:				
504.4	50	FOOT	GRANITE CURB TYPE VA4 - FLUSH				
			Unit Price in words:				
507.	100	FOOT	T-100 TRAVERSABLE GRANITE CURB				
			Unit Price in words:				
509.	1,900	FOOT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - STRAIGHT				
			Unit Price in words:				
509.1	100	FOOT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - CURVED				
			Unit Price in words:				
511.1	50	FOOT	GRANITE EDGING TYPE SB - STRAIGHT				
			Unit Price in words:				
512.1	20	FOOT	GRANITE EDGING TYPE SB (RADIUS 10 FEET OR LESS)				
			Unit Price in words:				
514.	5	EACH	GRANITE CURB INLET - STRAIGHT				
			Unit Price in words:				
515.	2	EACH	GRANITE CURB INLET - CURVED				
			Unit Price in words:				
				Subtotal			
				Amount from Page 4			

Item #	Estimate Quantity	Unit	Item Description with Unit Bid Price written in words	Unit Price		Amount	
				Dollars	Cents	Dollars	Cents
516.	15	EACH	GRANITE CURB CORNER TYPE A				
			Unit Price in words:				
580.	9,300	FOOT	CURB REMOVED AND RESET				
			Unit Price in words:				
580.1	1,750	SQUARE FOOT	PAVERS REMOVED AND RESET				
			Unit Price in words:				
581.	10	EACH	CURB INLET REMOVED AND RESET				
			Unit Price in words:				
590.	300	FOOT	CURB REMOVED AND STACKED				
			Unit Price in words:				
590.1	2,565	SQUARE FOOT	PAVERS REMOVED AND STACKED				
			Unit Price in words:				
594.	600	FOOT	CURB REMOVED AND DISCARDED				
			Unit Price in words:				
594.1	8,700	SQUARE FOOT	PAVERS REMOVED AND DISCARDED				
			Unit Price in words:				
595.	4	EACH	CURB INLET REMOVED AND DISCARDED				
			Unit Price in words:				
660.	330	FOOT	METAL PIPE RAIL				
			Unit Price in words:				
697.1	50	EACH	SILT SACK				
			Unit Price in words:				
701.	9,500	SQUARE YARD	CEMENT CONCRETE SIDEWALK				
			Unit Price in words:				
701.1	2,500	SQUARE YARD	CEMENT CONCRETE SIDEWALK AT DRIVEWAYS				
			Unit Price in words:				
701.15	190	SQUARE YARD	CEMENT CONCRETE SIDEWALK AT BEVELED AND CURVED CURB				
			Unit Price in words:				
				Subtotal			
				Amount from Page 5			

Item #	Estimate Quantity	Unit	Item Description with Unit Bid Price written in words	Unit Price		Amount	
				Dollars	Cents	Dollars	Cents
701.2	1,500	SQUARE YARD	CEMENT CONCRETE PEDESTRIAN CURB RAMP				
			Unit Price in words:				
701.25	1,060	MANHOURS	REPAIRS TO BACK OF SIDEWALK				
			Unit Price in words:				
701.3	5	SQUARE YARD	SCORED CEMENT CONCRETE				
			Unit Price in words:				
701.5	5	EACH	DETECTABLE WARNING PANEL				
			Unit Price in words:				
702.	285	TON	HOT MIX ASPHALT SIDEWALK OR DRIVEWAY				
			Unit Price in words:				
703.15	10	EACH	PRECAST CONCRETE BIKE LANE SEPARATOR				
			Unit Price in words:				
706.	50	SQUARE YARD	BRICK WALK				
			Unit Price in words:				
706.2	500	SQUARE YARD	GRANITE COBBLE BUFFER				
			Unit Price in words:				
706.3	225	SQUARE YARD	PERMEABLE PAVERS				
			Unit Price in words:				
707.1	1	EACH	PARK BENCH				
			Unit Price in words:				
707.15	1	EACH	REMOVE AND RESET PARK BENCH				
			Unit Price in words:				
707.8	2	EACH	BOLLARD				
			Unit Price in words:				
707.9	3	EACH	BICYCLE RACK				
			Unit Price in words:				
707.95	1	EACH	REMOVE AND RESET BICYCLE RACK				
			Unit Price in words:				
				Subtotal			
				Amount from Page 6			

Item #	Estimate Quantity	Unit	Item Description with Unit Bid Price written in words	Unit Price		Amount	
				Dollars	Cents	Dollars	Cents
720.	5	EACH	CITY COVERS ADJUSTED				
			Unit Price in words:				
734.	160	EACH	SIGN REMOVED AND RESET				
			Unit Price in words:				
751.	40	CUBIC YARD	LOAM BORROW				
			Unit Price in words:				
765.	100	SQUARE YARD	SEEDING				
			Unit Price in words:				
767.12	200	FOOT	COMPOST FILTER TUBES				
			Unit Price in words:				
804.3	80	FOOT	3 INCH ELECTRICAL CONDUIT TYPE NM - (UL)				
			Unit Price in words:				
811.30	1	EACH	PULL BOX 8 X 23 INCHES - SD2.030				
			Unit Price in words:				
811.31	4	EACH	PULL BOX 12 X 12 INCHES - SD2.031				
			Unit Price in words:				
812.	2	EACH	PULL BOX RECONDITIONED AND UPGRADED				
			Unit Price in words:				
816.01	1	LUMP SUM	TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 1				
			Unit Price in words:				
816.02	1	LUMP SUM	TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 2				
			Unit Price in words:				
819.831	900	FOOT	WIRE LOOP INSTALLED IN ROADWAY				
			Unit Price in words:				
826.51	2	EACH	FIRE ALARM BOX REMOVED AND RESET				
			Unit Price in words:				
832.	510	SQUARE FOOT	WARNING-REGULATORY AND ROUTE MARKER-ALUMINUM PANEL (TYPE A)				
			Unit Price in words:				
				Subtotal			
				Amount from Page 7			

Item #	Estimate Quantity	Unit	Item Description with Unit Bid Price written in words	Unit Price		Amount	
				Dollars	Cents	Dollars	Cents
832.2	6	EACH	REG SIGN-TYPE A ALUM "SIDEWALK CLOSED USE OTHER SIDE" WITH ARROW				
			Unit Price in words:				
847.1	75	EACH	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL				
			Unit Price in words:				
850.54	15	DAY	TRUCK-MOUNTED ATTENUATOR				
			Unit Price in words:				
851.1	390	DAY	TRAFFIC CONES FOR TRAFFIC MANAGEMENT				
			Unit Price in words:				
852.	450	SQUARE FOOT	SAFETY SIGNING FOR TRAFFIC MANAGEMENT				
			Unit Price in words:				
853.1	6	EACH	PORTABLE BREAKAWAY BARRICADE TYPE III				
			Unit Price in words:				
853.4	200	LINEAR FOOT	PEDESTRIAN BARRIERS FOR TEMPORARY WALKWAYS				
			Unit Price in words:				
854.034	200	FOOT	4 INCH TEMPORARY PAVEMENT MARKINGS (REMOVABLE TAPE)				
			Unit Price in words:				
854.1	500	SQUARE FOOT	PAVEMENT MARKING REMOVAL				
			Unit Price in words:				
855.	4	EACH	TEMPORARY WHEELCHAIR RAMP				
			Unit Price in words:				
856.	360	DAY	ARROW BOARD				
			Unit Price in words:				
856.12	400	DAY	PORTABLE CHANGEABLE MESSAGE SIGN				
			Unit Price in words:				
857.	20	EACH	FLEXIBLE DELINEATOR POSTS				
			Unit Price in words:				
858.	200	EACH	TRAFFIC SEPARATOR				
			Unit Price in words:				
				Subtotal			
				Amount from Page 8			

Item #	Estimate Quantity	Unit	Item Description with Unit Bid Price written in words	Unit Price		Amount	
				Dollars	Cents	Dollars	Cents
860.04	200	FOOT	4 INCH REFLECTORIZED WHITE LINE (PAINTED)				
			Unit Price in words:				
860.106	300	FOOT	6 INCH REFLECTORIZED WHITE LINE (PAINTED)				
			Unit Price in words:				
861.04	200	FOOT	4 INCH REFLECTORIZED YELLOW LINE (PAINTED)				
			Unit Price in words:				
861.07	10	EACH	BIKE SHARROW (PAINTED)				
			Unit Price in words:				
864.	150	SQUARE FOOT	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (PAINTED)				
			Unit Price in words:				
864.04	966	SQUARE FOOT	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC)				
			Unit Price in words:				
865.1	150	SQUARE FOOT	CROSSWALKS AND STOP LINES 12 INCH REFL. WHITE (PAINTED)				
			Unit Price in words:				
865.2	11,600	SQUARE FOOT	CROSSWALKS AND STOP LINES 12 INCH REFL. WHITE (THERMOPLASTIC)				
			Unit Price in words:				
866.04	4,900	FOOT	4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)				
			Unit Price in words:				
866.106	8,600	FOOT	6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)				
			Unit Price in words:				
866.112	890	FOOT	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)				
			Unit Price in words:				
866.124	50	FOOT	24 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)				
			Unit Price in words:				
867.04	23,120	FOOT	4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)				
			Unit Price in words:				
867.07	25	EACH	BIKE SHARROW (PREFORMED-THERMOPLASTIC)				
			Unit Price in words:				
				Subtotal			
				Amount from Page 9			

Item #	Estimate Quantity	Unit	Item Description with Unit Bid Price written in words	Unit Price		Amount	
				Dollars	Cents	Dollars	Cents
867.106	100	FOOT	6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)				
			Unit Price in words:				
867.98	1	EACH	PERMANENT RELOCATION OF "BLUE BIKES" BIKE RACKS				
			Unit Price in words:				
867.99	1	EACH	TEMPORARY RELOCATION OF "BLUE BIKES" BIKE RACKS				
			Unit Price in words:				
874.	30	EACH	STREET NAME SIGN				
			Unit Price in words:				
999.	1	ALLOWANCE	TRAFFIC POLICE	\$555,000	00	\$555,000	00
			Unit Price in words:				
999.1	1,415	SQUARE FOOT	FLEXPAVE POROUS PAVING				
			Unit Price in words:				
999.2	1	LUMP SUM	MONTHLY PRICE ADJUSTMENT FOR PORTLAND CEMENT CONCRETE MIXES				
			Unit Price in words:				
999.4	1	LUMP SUM	MONTHLY PRICE ADJUSTMENT FOR HOT MIX ASPHALT (HMA) MIXTURES				
			Unit Price in words:				
999.6	1	LUMP SUM	MONTHLY PRICE ADJUSTMENTS FOR DIESEL FUEL AND GASOLINE				
			Unit Price in words:				
				Amount from Page 10			
BID SUMMARY							
						Amount	
						Dollars	Cents
Subtotal Amount from Page 1							
Subtotal Amount from Page 2							
Subtotal Amount from Page 3							
Subtotal Amount from Page 4							
Subtotal Amount from Page 5							
Subtotal Amount from Page 6							
Subtotal Amount from Page 7							
Subtotal Amount from Page 8							
Subtotal Amount from Page 9							
Subtotal Amount from Page 10							
BID TOTAL							

Company Name: _____
Signature: _____
Signature Name & Title: _____
Telephone #: _____ Fax #: _____
Date: _____