

SALEM MUNICIPAL SERVICESRoy E. Sorenson - *Director*www.townofsalemnh.org**ENGINEERING DIVISION**Daniel Hudson PE - *Director*

33 GEREMONTY DRIVE

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**2020 ROADWAY IMPROVEMENT PROJECT
WOODMEADOW DRIVE, BLUFF STREET EXTENSION
SALEM, NH****ADDENDUM No. 1****January 9, 2020**

This Addendum forms part of the Bidding and Contract Documents and modifies the Drawings and Contract and Specifications for the 2020 Roadway Improvement Project – Woodmeadow Drive, Bluff Street Extension. The items set forth herein, whether of omission, addition, substitution or clarification, are all to be included in and shall form part of the proposed work and Bids submitted to the Town of Salem, New Hampshire. Inclusion of this Addendum shall be acknowledged by inserting its number in the space provided in the Bid Proposal form (Section 00301A). Failure to acknowledge any and all addenda in the above specified Bid Proposal form may be cause for rejection of the bid by the Owner on the grounds that it is not responsive.

ADDEDNDUM No. 1

Bidders are advised the following clarifications and changes are generated by questions at the pre-bid meeting on January 7, 2020 and are hereby incorporated into the CONTRACT DOCUMENTS AND SPECIFICATIONS:

1. **Insert** the attached Section 00301A (Bid) in the CONTRACT DOCUMENTS AND SPECIFICATIONS and **Discard** the original version of Section 00301A.

The revised document provides for Reclaim Remove Rehandle (Item 306.208) quantity on Woodmeadow Drive which was inadvertently omitted from the bid sheets. Note also additional Crushed Gravel shoulder and designation of "F" quantity for Crushed Stone Fine.

2. **Insert** the attached Quantity Breakdown by Street in the CONTRACT DOCUMENTS AND SPECIFICATIONS and **Discard** the original version located in Appendix B.

The revised document provides for Reclaim Remove Rehandle (Item 306.208) quantity on Woodmeadow Drive which was inadvertently omitted from the bid sheets. Note also additional Crushed Gravel shoulder and designation of "F" quantity for Crushed Stone Fine.



3. See attached Pre-Bid meeting agenda from January 7, 2020 prebid meeting.

The attached agenda considers three separate projects. The PreBid meeting for the projects was held simultaneously given similarity of work type.

4. **Bluff Street Extension Profile Adjustment:** Bidders are advised that the profile on Bluff Street Extension will be slightly modified.

The current design of Bluff Street Extension indicates 200-feet of roadway with a profile of 0.0%. The revision will incorporate a profile change between Sta 104+00 and Sta 106+00 that will increase the profile slope to 0.5%. The Design revision will also incorporate two additional catch basins which are currently reflected in the Bid Sheets. Quantity changes will be negligible, with the majority being a reduction in common excavation at approximately (100 cy).

****END OF ADDENDA NO. 1****

Bid Schedule

2020 Roadway Improvement Project

Woodmeadow Drive, Bluff Street Extension

Salem, New Hampshire

ITEM	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE		Figures	(Figures)	
				Words				
BASE BID								
201.1	Clearing & Grubbing	882	SY					
201.21	Remove Small Tree (5"-23")	8	EA					
201.22	Remove Large Tree (over 24")	3	EA					
202.5	Remove Drain Structure (basin or manhole)	2	EA					
203.1	Common Excavation (F)	2022	CY					
203.11	Common Excavation for Driveways	150	CY					
203.2	Rock Excavation	100	CY					
203.4	Muck Excavation	100	CY					
203.6	Embankment in Place (F)	540	CY					
206.19	Exploratory Excavation (test pits)	70	CY					
206.2	Rock Structure Excavation	120	CY					

ITEM	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE		EXTENDED TOTAL
					Words	
					Figures	(Figures)
209.4	Granular Backfill (Gravel)	100	CY			
214	Fine Grading	1	UNIT			
304.32	Crushed Gravel for Shoulder Leveling	50	CY			
304.4	Crushed Stone Fine (F)	1232	CY			
304.5	Crushed Stone, Course Gradation (F)	725	CY			
306.108	Reclaimed Stabilized Base In-Place (8" Deep)	9384	SY			
306.208	Reclaimed Stabilized Base Removed and Rehandled (8" Deep)	1133	SY			
403.11	3/4" Permanent Binder or Base Pavement	2322	TONS			
403.11	1/2" HBP Wearing Course	1299	TONS			
403.12	HBP Hand Method	225	TONS			
417	Cold Planing (at intersections)	140	SY			
585.3	Class C Stone Fill	45	CY			
603.00218	18" R.C. Pipe, 2000D	55	LF			
603.83212	12" HDPE Drain Pipe	470	LF			
604.0007	Polyethylene Liner	19	EA			

ITEM	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	Figures	EXTENDED TOTAL
				Words		(Figures)
604.12	Catch Basin	11	EA			
604.4	Reconstructing/Remodel Catch Basins	2	EA			
604.45	Adjust Catch Basin Grates & Frames	4	EA			
604.72	New Frame & Grate, Type B	4	EA			
605.506	6" HDPE Underdrain (Unspecified)	500	LF			
608.131	3" Bituminous Sidewalk	450	SY			
608.26	6" Concrete Sidewalk for H.C. ramps	6	SY			
608.54	Detectable Warning Panels	2	SY			
609.813	Bituminous Curb	1400	LF			
611.05206	6" Cement Lined Ductile Iron Pipe, CL 52	10	LF			
611.05208	8" Cement Lined Ductile Iron Pipe, CL 52	10	LF			
611.70008	8" Fitting	2	EA			
611.71006	6" Gate Valve	1	EA			
611.81	Install Hydrant	1	EA			

ITEM	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	Figures	EXTENDED TOTAL (Figures)
				Words		
611.90001	Adjust valve boxes	5	EA			
615.032	Traffic Sign, Type C w/Break away post	55	SF			
618	Uniformed Police for Traffic Control	ALLOWANCE		SEVENTY FIVE THOUSAND DOLLARS AND NO CENTS	\$ 75,000.00	\$ 75,000.00
619.1	Maintenance of Traffic	1	LS			
619.25	Portable Changeable Message Sign	4	Month			
628.2	Sawed Bituminous Pavement	1250	LF			
632.0104	Retroreflective Paint Pavement Marking, 4" Line	2800	LF			
632.3108	Retroreflective Thermoplastic Pavment (8" Crosswalk)	100	LF			
632.3118	Retroreflective Thermoplastic Pavment (18" Stop)	45	LF			
645.441	Sediment Filter Logs (compost sock)	600	LF			
645.531	Silt Fence	1800	LF			
645.533	Inlet Filter Baskets	17	EA			
645.7	Storm Water Polution Prevention Plan (SWPPP)	1	UNIT			

ITEM	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE		Figures	(Figures)
				Words			
645.71	Monitoring SWPPP and Erosion & Sediment Controls	30	VISIT				
646.512	Turf Establishment w/ Mulch, Tackifiers, & Loam	9300	SY				
670.0662	Relocate mailbox	36	EA				
692	Mobilization	1	LS				
900	Precast headwall (12"-18")	6	EA				
912	Landscape (remove and reset)	1	LS				
1010.2	Asphalt Cement Adjustment	ALLOWANCE		FIFTEEN THOUSAND DOLLARS AND NO CENTS		\$ 15,000.00	\$ 15,000.00
TOTAL AMOUNT (BASE BID)							

Key to Units: LF = Linear Feet; VF = Vertical Feet; SY = Square Yards; CY = Cubic Yards; LS = Lump Sum; EA = Each

Quantity Breakdown by Street

Note: Quantities herein are provided solely to give the bidder an indication of how work is divided by road. The quantities and locations, however, are not necessarily intended to represent the final amounts to be utilized on each road.

BASE BID				Woodmeadow Drive	Bluff St Extension
ITEM	DESCRIPTION	EST. QTY. total	UNIT		
201.1	Clearing & Grubbing	882	SY	632	250
201.21	Remove Small Tree (5"-23")	8	EA	5	3
201.22	Remove Large Tree (over 24")	3	EA	3	
202.5	Remove Drain Structure (basin or manhole)	2	EA	2	
203.1	Common Excavation (F)	2,022	CY	822	1,200
203.11	Common Excavation for Driveways	150	CY	150	
203.2	Rock Excavation	100	CY		100
203.4	Muck Excavation	100	CY		100
203.6	Embankment in Place (F)	540	CY	440	100
206.19	Exploratory Excavation (test pits)	70	CY	50	20
206.2	Rock Structure Excavation	120	CY	100	20
209.4	Granular Backfill (Gravel)	100	CY		100
214	Fine Grading	1	UNIT	0.75	0.25
304.32	Crushed Gravel for Shoulder Leveling	50	CY		50
304.4	Crushed Stone Fine (F)	1,232	CY	832	400
304.5	Crushed Stone, Course Gradation (F)	725	CY		725
306.108	Reclaimed Stabilized Base In-Place (8" Deep)	9,384	SY	9384	
306.208	Reclaimed Stabilized Base Removed and Rehandled (8" Deep)	1,133	SY	1133	
403.11	3/4" Permanent Binder or Base Pavement	2,322	TONS	1,872	450
403.11	1/2" HBP Wearing Course	1,299	TONS	1,099	200

403.12	HBP Hand Method	225	TONS	200	25
417	Cold Planing (at intersections)	140	SY	40	100
585.3	Class C Stone Fill	45	CY	40	5
603.00218	18" R.C. Pipe, 2000D	55	LF		55
603.83212	12" HDPE Drain Pipe	470	LF	470	
604.0007	Polyethylene Liner	19	EA	17	2
604.12	Catch Basin	11	EA	9	2
604.4	Reconstructing/Remodel Catch Basins	2	EA	2	
604.45	Adjust Catch Basin Grates & Frames	4	EA	4	
604.72	New Frame & Grate, Type B	4	EA	4	
605.506	6" HDPE Underdrain (Unspecified)	500	LF	500	
608.131	3" Bituminous Sidewalk	450	SY	450	
608.26	6" Concrete Sidewalk for H.C. ramps	6	SY	6	
608.54	Detectable Warning Panels	2	SY	2	
609.813	Bituminous Curb	1,400	LF	1300	100
611.05206	6" Cement Lined Ductile Iron Pipe, CL 52	10	LF	10	
611.05208	8" Cement Lined Ductile Iron Pipe, CL 52	10	LF	10	
611.70008	8" Fitting	2	EA	2	
611.71006	6" Gate Valve	1	EA	1	
611.81	Install Hydrant	1	EA	1	
611.90001	Adjust valve boxes	5	EA	5	
615.032	Traffic Sign, Type C w/Break away post	55	SF	20	35
618	Uniformed Police for Traffic Control	ALLOWANCE			
619.1	Maintenance of Traffic	1	LS	0.5	0.5
619.25	Portable Changeable Message Sign	4	Month		4
628.2	Sawed Bituminous Pavement	1,250	LF	1000	250
632.0104	Retroreflective Paint Pavement Marking, 4" Line	2,800	LF		2,800
632.3108	Retroreflective Thermoplastic Pavment (8" Crosswalk)	100	LF	100	

632.3118	Retroreflective Thermoplastic Pavement (18" Stop)	45	LF	25	20
645.441	Sediment Filter Logs (compost sock)	600	LF	300	300
645.531	Silt Fence	1,800	LF	800	1000
645.533	Inlet Filter Baskets	17	EA	17	
645.7	Storm Water Polution Prevention Plan (SWPPP)	1	UNIT	0.50	0.50
645.71	Monitoring SWPPP and Erosion & Sediment Controls	30	VISIT	15	15
646.512	Turf Establishment w/ Mulch, Tackifiers, & Loam	9,300	SY	8000	1300
670.0662	Relocate mailbox	36	EA	32	4
692	Mobilization	1	LS	0.75	0.25
900	Precast headwall (12"-18")	6	EA	4	2
912	Landscape (remove and reset)	1	LS	0.8	0.2
1010.2	Asphalt Cement Adjustment	ALLOWANCE			

* items are of indeterminant quantity

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MEETING AGENDA

Date: January 7, 2020

From: James Danis, Engineering Dept

Subj: 2020 Road Program Pre-Bid Meeting
Industrial Way, Emery Rd
Plaisted Circle, Eyssi Drive
Woodmeadow Drive, Bluff Street Extension

Introductions:

Salem Engineering Dept

- James Danis - Town of Salem, Engineering Dept. - Project Lead

Project Location:

- Industrial Way
 - Industrial park, intersects with Commercial Drive and Manor Parkway
 - Access from Exit 2
- Emery Road
 - Canobie Ave neighborhood off of Brookdale Road
 - Access from Exit 2
- Woodmeadow Drive
 - Intersects with School Street
 - Access Exit 2
- Bluff Street Extension
 - Intersects with N. Main St and Town Farm Rd
 - Access Exit 2
- Plaisted Circle
 - Intersects with Hooker Farm Rd off of Shannon Rd
 - Access Exit 2 or 3
- Eyssi Drive (Bid Alt 1)
 - Intersects with Dustin Road
 - Access Exit 2 or 3



Project descriptions:

- Independence Way
 - 2,740 LF, 34-feet wide
 - Reclaim In place
 - Minimal drainage and water improvements
 - 5.5" Pavement section with bit curb
 - Shoulder work
 - Traditional Subdivision w/ 60-foot ROW
 - Gas Line relocation by Utilil
- Emery Road
 - 400 LF, 16-feet wide
 - Mill and overlay existing Roadway
 - Construct cul-de-sac
 - 310 LF water line improvement. Connects Emery to Lake Shore through woods.
 - Minor drainage improvements at intersection.
- Neighborhood Rd.
 1. Woodmeadow Drive
 - 3,970 LF, 24-feet wide
 - Reclaim in place with profile adjustment
 - Sidewalk and wider road section
 - Minor drainage
 - Hydrant installation
 - 4" pavement section
 2. Bluff Street Extension
 - 700 LF, 24-feet wide
 - Full Box reconstruction
 - Profile adjustment after bid (incidental quantity adjustments)
 - Minimal drainage.
 - 5.5" pavement section
 3. Plaisted Circle
 - 1,750 LF, 16 & 18-feet wide
 - Full Box reconstruction
 - Profile and alignment adjustments
 - Ledge removal
 - Minor drainage improvements
 - Property impacts (walls, driveways)
 - Septic tank replacement
 - Septic force main sleeves.
 - 4" pavement section
 4. Eyssi Drive
 - 375 LF, 24-feet wide
 - Reclaim in-place
 - 4" pavement section
- Traditional Subdivision w/ 50-foot ROW
- Plaisted ROW varies, easements granted for roadwork.

- Base line control – Survey layout and best fit combination

Utilities

- Water on Industrial, Emery, Woodmeadow, Eyssi
- Sewer & Gas on Industrial way
- Sewer on Emery
- Utility Poles (Industrial Way, Emery Rd, Plaisted Cir, Eyssi Dr)
 - Pole relocation on Plaisted Circle
- Underground utilities (Woodmeadow Dr)
 - Pull box relocations
 - Pole relocation at intersection
 - Light pole relocations
- Impacts to existing utilities
 - Test pitting on Water main at crossings – redesign or relocation of proposed drain if conflicts
 - Test pitting on underground utilities adjacent to trenching activities.

Bids:

- **BIDS DUE**
 - Industrial Way, Emery Rd – 1:00 PM, January 15, 2020
 - Neighborhood Roads Plaisted Circle, Eyssi Drive – 1:30, January 15, 2020
 - Neighborhood Roads – Woodmeadow Dr, Bluff St Ext – 1:00 PM, January 17, 2020
- Instructions to Bidders: **read it**
- Bid
- Qualifications & Subs
- Acknowledgement of Addendum #1 (and any others that may arise)
 - Missing items and special conditions (Plaisted)
 - Missing item – remove/rehandle (Woodmeadow)
- Bid Bond – 5% of Contract
- Statement of non-collusion

Funding:

- Subject to Town vote in March

Required Documents for Winning Bidder

- Contract Award Status (NOA, NTP, Agreement)
- Performance, Payment, & Warrantee Bonds
- Insurance Certificates
- Contract Documents (3 copies)

Traffic Control

- Signage –Construction signage – minor in nature. No detours
 - Bluff Street Ext will be more detailed.
- Police details – scheduling challenges

- Two way traffic during non-work hours

Permit

- NHDES Wetland permit
 - Minor permit for Plaisted Circle
 - PBN for Eyssi and Woodmeadow

Construction Schedule

- Substantial Completion:
 - Industrial Way, Emery Rd
 - **August 14, 2020**
 - Woodmeadow Dr, Bluff St Ext
 - **August 27, 2020**
 - Plaisted Circle, Eyssi Drive
 - **September 18, 2020**
- Final Completion:
 - Northeastern Blvd
 - **September 14, 2020**
 - Woodmeadow Drive, Bluff St Ext
 - **September 24, 2020**
 - Plaisted Circle, Eyssi Dr
 - **October 16, 2020**
- Weekend/Holiday/night work Not allowed

Submittals

- Shop Drawings
- Certificates of Compliance
- Cut sheets

Other Projects

- West Duston Neighborhood water/sewer/reconstruction
- Tuscan Village
- Rt 28 Sewer/Water (finishing up in the spring)
- Overlay Program (Shannon Rd)
- I-93 Widening (NHDOT)