

MONROE COUNTY, NEW YORK
**ADDENDUM NO. 1 TO THE
SPECIFICATIONS AND RELATED DOCUMENTS**

FOR

RESERVOIR AVENUE CURB INSTALLATION PROJECT

Capital Improvement Project No. 1645

May, 2012



05-14-12

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TO ALL BIDDERS:

The following constitutes ADDENDUM NO. 1 of the Contract Documents. Each Bidder shall acknowledge receipt of this Addendum on Page P-5 of the Proposal.

Pages ADD 1-1 through ADD 1-5

May 14, 2012

ADD 1-1

Addendum No. 1

Reservoir Avenue Curb Installation Project

ADDENDUM NO. 1

To the Contract Documents for the
RESERVOIR AVENUE CURB INSTALLATION PROJECT
MONROE COUNTY, NEW YORK

Your attention is directed to the following interpretations of changes in and additions to the contract documents for the Reservoir Avenue Curb Installation Project.

This addendum is part of the contract documents in accordance with the provisions included in the “Instructions to Bidders” and acknowledged in the “Proposal.”

A. Changes to the Specification Book

1. In the proposal, replace sheet P-10 and P-11 with the attached revised sheets identified as page P-10 and P-11 (Addendum #1).

Item 209.1701 Drainage Structure Inlet Protection, Silt Fence – Temporary, Pay Unit LF has been changed to Item C209.0102 Filter Fabric Drop Inlet Protection, Pay Unit EA.

Item 608.0101 Concrete Sidewalks & Driveways has been changed to Item C608.0101.

Item 610.0202 Seeding – Seed Mix A has been changed to Item C610.0202.

2. Technical Specifications – Standard Construction Specifications for Items C209.0102, C608.0101, and C610.0202 have been added and are attached.
3. In the proposal, replace sheet SQ-1 with the attached revised sheet identified as page SQ-1 (Addendum #1). The Item numbers, Item Titles, Pay Units, and quantities identified above as “changed” have been updated.

B. Changes to the Contract Plans

1. All references to Item 209.1701 shall be changed to Item C209.0102.
2. All references to Item 608.0101 shall be changed to Item C608.0101.
3. All references to Item 610.0202 shall be changed to Item C610.0202.

C. Response to Bidder Questions

1. Not Applicable.

THERE ARE NO CHANGES TO THE BID OPENING SCHEDULE

BID SHEETS (BASE BID)

ITEMIZED PROPOSAL

RESERVOIR AVENUE CURB INSTALLATION PROJECT, CIP NO. 1645
MONROE COUNTY

ITEM	DESCRIPTION	EST. QUANT.	UNIT	UNIT BID PRICE (NUMERALS)	UNIT PRICE (WORDS - PRINTED LEGIBLY)	AMOUNT BID
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	410	CY	\$ _____	_____ DOLLARS and _____ CENTS	\$ _____
206.02	TRENCH AND CULVERT EXCAVATION	101	CY	\$ _____	_____ DOLLARS and _____ CENTS	\$ _____
C209.0102	Filter Fabric Drop Inlet Protection	6	EA	\$ _____	_____ DOLLARS and _____ CENTS	\$ _____
304.12	SUBBASE COURSE, TYPE 2	242	CY	\$ _____	_____ DOLLARS and _____ CENTS	\$ _____
402.098202	9.5 F2 TOP COURSE HMA, 80 SERIES COMPACTION	60	T	\$ _____	_____ DOLLARS and _____ CENTS	\$ _____
402.198902	19 F9 BINDER COURSE HMA, 80 SERIES COMPACTION	80	T	\$ _____	_____ DOLLARS and _____ CENTS	\$ _____
402.378902	37.5 F9 BASE COURSE HMA, 80 SERIES COMPACTION	119	T	\$ _____	_____ DOLLARS and _____ CENTS	\$ _____
605.0901	UNDERDRAIN FILTER TYPE 1	100	CY	\$ _____	_____ DOLLARS and _____ CENTS	\$ _____
605.1502	PERFORATED CORRUGATED POLYETHYLENE UNDERDRAIN TUBING, 6" DIAMETER	1,234	LF	\$ _____	_____ DOLLARS and _____ CENTS	\$ _____
C608.0101	CONCRETE SIDEWALK & DRIVEWAY	5	CY	\$ _____	_____ DOLLARS and _____ CENTS	\$ _____

BID SHEETS (BASE BID)

ITEMIZED PROPOSAL

RESERVOIR AVENUE CURB INSTALLATION PROJECT, CIP NO. 1645
MONROE COUNTY

ITEM	DESCRIPTION	EST. QUANT.	UNIT	UNIT BID PRICE (NUMERALS)	UNIT PRICE (WORDS - PRINTED LEGIBLY)	AMOUNT BID
609.0203	STONE CURB, GRANITE (TYPE C)	1,276	LF	\$ _____	_____ DOLLARS and _____ CENTS	\$ _____
C610.0202	SEEDING - SEED MIX A	965	SY	\$ _____	_____ DOLLARS and _____ CENTS	\$ _____
613.02	PLACING TOPSOIL, TYPE A	98	CY	\$ _____	_____ DOLLARS and _____ CENTS	\$ _____
619.01	BASIC WORK ZONE TRAFFIC CONTROL	NEC	LS	\$ _____	_____ DOLLARS and _____ CENTS	\$ _____
SUB-TOTAL _____					\$ _____	
DOLLARS and _____ CENTS						
699.040001	MOBILIZATION (4% max.)	NEC	LS	\$ _____	_____ DOLLARS and _____ CENTS	\$ _____
TOTAL _____					\$ _____	
DOLLARS and _____ CENTS						

SUMMARY OF QUANTITIES (BASE BID)

DATE 5/4/2012, Revised 5-14-12
 RESERVOIR AVENUE CURB INSTALLATION PROJECT, CIP NO. 1645
 MONROE COUNTY

ITEM	DESCRIPTION	UNITS	QUANTITY
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	410
206.02	TRENCH AND CULVERT EXCAVATION	CY	101
C209.0102	Filter Fabric Drop Inlet Protection	EA	6
304.12	SUBBASE COURSE, TYPE 2	CY	242
402.098202	9.5 F2 TOP COURSE HMA, 80 SERIES COMPACTION	T	60
402.198902	19 F9 BINDER COURSE HMA, 80 SERIES COMPACTION	T	80
402.378902	37.5 F9 BASE COURSE HMA, 80 SERIES COMPACTION	T	119
605.0901	UNDERDRAIN FILTER TYPE 1	CY	100
605.1502	PERFORATED CORRUGATED POLYETHYLENE UNDERDRAIN TUBING, 6" DIAMETER	LF	1,234
C608.0101	CONCRETE SIDEWALK & DRIVEWAY	CY	5
609.0203	STONE CURB, GRANITE (TYPE C)	LF	1,276
C610.0202	SEEDING - SEED MIX A	SY	965
613.02	PLACING TOPSOIL, TYPE A	CY	98
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	NEC
699.040001	MOBILIZATION - 4% Max.	LS	NEC

DESCRIPTION

Under this item the CONTRACTOR shall construct and install filter fabric drop inlet devices as shown on the contract drawings.

MATERIAL

Filter fabric, wood stakes, and/or any other materials necessary meeting the requirements shown on the details.

CONSTRUCTION DETAILS

The filter fabric devices shall be installed as shown on the details prior to construction commencing around the specified drop inlets shown on the plans. The devices are to be maintained by the CONTRACTOR throughout the duration of construction.

Once construction activities are complete, the devices shall be removed and disposed as directed by the ENGINEER.

METHOD OF MEASUREMENT

The CONTRACTOR shall be paid for the number of filter fabric devices actually installed, maintained, removed, and disposed.

BASIS OF PAYMENT

The unit price bid for each filter fabric device shall include the cost of furnishing all necessary labor, materials, and equipment necessary for the installation, maintenance, removal, and disposal to satisfactorily complete the work as determined by the ENGINEER.

Payment will be made under:

<u>Item No.</u>	<u>Item</u>	<u>Pay Unit</u>
C209.0102	Filter Fabric Drop Inlet Protection	EA

DESCRIPTION

Under this item, the CONTRACTOR shall furnish all labor, material and equipment necessary to construct concrete sidewalk and driveways in the locations shown on the plans and as directed by the ENGINEER. The work shall conform to the requirements of NYSDOT Section 608 with the following modifications:

MATERIAL

Concrete Sidewalks and Driveways -

The material requirements and composition shall comply with the specification for Class K concrete and proportioned as follows:

Class K Concrete Mix Design

Cement	564 lbs/cy
Air Content	5% to 7%
Slump Range	2" to 3"
Coarse Aggregate Type	CA 4 **
Minimum 28-Day Strength	3,500 psi

** Type CA 4 aggregate shall conform to NYSDOT 703-02 except as modified below:

Type CA 4 Gradation

Sieve Size	% Passing
1 1/2"	100
1"	95 to 100
1/2"	25 to 60
No. 4	0 to 10
No. 8	0 to 5

Concrete sand shall conform to NYSDOT 703-01 except as modified below:

Concrete Sand Gradation

Sieve Size	% Passing
3/8"	100
No. 4	95 to 100
No. 8	80 to 100
No. 16	50 to 85
No. 30	25 to 60
No. 50	10 to 30
No. 100	2 to 8

The CONTRACTOR and supplier, in consultation with the ENGINEER, shall determine the proper mix proportions for all concrete.

Curing Compound -

ITEM C608.0101 CONCRETE SIDEWALK AND DRIVEWAY

Curing compound shall be applied in accordance with NYSDOT Section 608.

CONSTRUCTION DETAILS

General

The general construction details for manufacturing, transporting and placing concrete shall be in accordance with NYSDOT 501, 502 and 608 except as modified herein:

Unless otherwise indicated in the Contract Documents, welded wire mesh reinforcement will not be required.

The concrete shall be placed in one course to the full depth shown in the Contract Documents.

Transverse joints shall be a minimum of ¼ the slab thickness and spaced at intervals 5’ on center, so that the finish sidewalk will be marked in squares, unless otherwise indicated on the plans or as directed by the ENGINEER.

Transverse joints shall be saw cut or tooled with a max width of ½ inch, excluding the rounded edges of the jointing tool.

Construction joints shall be placed at a 25’ maximum spacing and shall have edges finished with an edging tool having a ¼” radius.

Premolded joint filler shall be installed at all joints between sidewalk and buildings, curbing, pavement, etc.

The CONTRACTOR shall immediately apply an approved curing compound to new concrete surfaces in accordance with manufacturer’s recommendations and as ordered by the ENGINEER.

METHOD OF MEASUREMENT

Concrete sidewalk and driveway shall be paid for at the unit price bid per cubic yard.

BASIS OF PAYMENT

The work shall include furnishing all labor, materials, equipment and incidentals to complete the work as specified.

Payment will be made under:

<u>Item No.</u>	<u>Item</u>	<u>Pay Unit</u>
C608.0101	Concrete Sidewalk and Driveway	CY

DESCRIPTION

Under this item, the CONTRACTOR shall furnish all labor, material and equipment necessary to establish turf in the locations shown on the plans and as directed by the ENGINEER.

MATERIAL

Seeds shall be as specified in NYSDOT Standard Specifications, Section 713-04, latest revision, and further specified as follows:

Seed Mix 'A'

Name	Variety	Min. % Germination	Max. % of Mix By Weight
Red Fescue (Festuca Rubra)	Commercial 85	85%	42%
Kentucky Bluegrass (Poa Pratensis)	Commercial 75	85%	16%
Perennial Ryegrass (Lolium Perene)	Commercial 90	90%	42%

Total Rate of Seed Application: 305 lbs/acre

Seed Mix 'B' – (Reclamation Mix)

Name	Variety	Min. % Germination	Max. % of Mix By Weight
Penngift Crownvetch ¹	---	---	46.5%
Pennfine Perennial Ryegrass	---	---	46.5%
Select Empire Birdsfoot Trefoil ²	---	---	5.8%
Weeping Love Grass	---	---	1.2%

Total Rate of Seed Application: 86 lbs/acre

Notes:

1. 10 Times Inoculant – Keep in cool area.
2. Add Birdsfoot trefoil inoculant.

Seed Mix ‘C’ – (Revitalization Mix)

Name	Variety	Min. % Germination	Max. % of Mix By Weight
Penngift Crownvetch ¹	---	---	87%
Select Empire Birdsfoot Trefoil ²	---	---	11%
Weeping Love Grass	---	---	2%

Total Rate of Seed Application: 46 lbs/acre

Notes:

1. 10 Times Inoculant – Keep in cool area.
2. Add Birdsfoot trefoil inoculant.

Fertilizer shall be as specified for NYSDOT Standard Specifications, Section 713-03 Fertilizer, Type No. 3 (10-6-4), or approved equal.

For manual seed application, straw mulch shall be as specified for NYSDOT Standard Specifications, Section 713-19 Straw, latest revision.

Hydrospray mulch (anchorage) shall be as manufactured by National Fiber, Inc. or approved equal.

Copolymer gel (such as AquaGel Series 500C/500D or approved equal) may be used as a water management tool for turf establishment. The gel material shall be able to hold up to 400 times its weight in distilled water. Copolymer gel products shall be used in conjunction with the watering application practices contained in these specifications. The CONTRACTOR must demonstrate compliance with these specifications during the seeding establishment period whether or not a copolymer gel product is used.

CONSTRUCTION DETAILS

Manual Seed Application

Placement of seeding shall comply with NYSDOT Standard Specifications, sub-section 610-3, latest revision, except as herein modified. Ground preparation for seeding Method No. 2 shall apply. The rate of fertilizer application shall be 80 lbs/acre. The rate of mulch application shall be 3 tons/acre. The rate of mulch anchorage application shall be 400 lbs/acre.

Hydroseed Application

Water all areas to receive hydroseed on the day before hydroseeding operation to provide residual moisture within the first 1/4 inch of the soil surface. The CONTRACTOR shall not allow the soil surface to be overly saturated with water prior to hydroseeding.

Apply the hydroseeding in the form of a slurry consisting of seed mixture, organic soil amendments, commercial fertilizer, and any other chemicals specified. Direct the spray operation so that this procedure will drill and mix the slurry components into the soil, the slurry spray will also penetrate the soil surface to ensure maximum impregnation and

coverage.

Spray the area with a uniform visible coat, using the dark color of the cellulose fiber as a visual guide. The slurry shall be applied in a downward drilling motion via a fan stream nozzle.

The CONTRACTOR shall take every precaution to prevent any of the slurry from being sprayed onto hardscape areas including concrete walks, fences, walls, buildings, etc. The CONTRACTOR shall remove all slurry sprayed onto these surfaces at no additional cost to the OWNER.

The rate of fertilizer application in the hydroseed slurry shall be 80 lbs/acre, with a rate of hydrospray mulch application of 1200 lbs/acre.

Watering – Initial

Proper watering of newly seeded areas is crucial to successful turf establishment. After placement of seeding, the CONTRACTOR shall uniformly apply water over the entire newly seeded area at least once each calendar day for 4 consecutive weeks, until seed germination occurs in accordance with these specifications. The watering effort shall be such that the top ½” of soil is kept moist during the duration of the seed germination process. Any areas damaged by excessive or careless application of water will be repaired at the CONTRACTOR’S expense.

If the ENGINEER determines that the newly seeded areas are not being watered in accordance with these specifications, the CONTRACTOR shall immediately adjust his watering practice to conform as needed.

Watering – Subsequent

After grass seed has germinated, the CONTRACTOR shall continue to apply a minimum of ½” of water at least one day each week for the duration of the project over newly seeded areas, until final acceptance by the OWNER.

Care of Seeded Areas

The CONTRACTOR shall care for seeded turf areas until final acceptance of the contract. Care shall consist of providing protection against traffic by providing approved warning signs or barricades; and shall consist of repairs to any seeded turf areas damaged by wind, water, fire, traffic or other causes. Damaged areas shall be repaired to re-establish the condition and grade of the area prior to seeding and shall then be refertilized, reseeded and remulched as specified herein. The CONTRACTOR shall mow all turf establishment areas seeded to a height of 3” after initial growth reaches 5”, and then once a week thereafter unless otherwise approved. Clippings from the first mowing shall be removed or mulched and left in place.

Seeding - Seasonal Restrictions

Placement of permanent seeding shall be in accordance with the seeding manufacturer’s recommendations and as approved by the ENGINEER.

METHOD OF MEASUREMENT

Seeding shall be paid for at the unit price bid per square yard.

BASIS OF PAYMENT

The work shall include furnishing all labor, materials, equipment and incidentals to complete the work as specified, including application of water as specified.

In accordance with New York State Department of Environmental Conservation Phase II regulations, Minimum Acceptable Growth for permanent seeding is defined as a uniform, perennial, vegetative cover with a minimum density of **80%** established on the entire seeded area. Any 1' x 1' area in the newly seeded lawn should have 80% of its surface covered as defined above in order to qualify as "Minimum Acceptable Growth". Seeding under this item shall be paid in increments as follows:

- 25% paid after initial placement of seed
- 50% paid after Minimum Acceptable Growth is verified by the ENGINEER.
- 25% paid after Project Acceptance.

Payment will be made under:

<u>Item No.</u>	<u>Item</u>	<u>Pay Unit</u>
C610.0202	Seeding – Seed Mix A	SY
C610.0204	Seeding – Seed Mix B	SY
C610.0206	Seeding – Seed Mix C	SY