



Office of General Services

DESIGN & CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242

ADDENDUM NO. 1 TO PROJECT NO. 47023

CONSTRUCTION WORK PROVIDE BANK STABILIZATION OXFORD FLOOD CONTROL CHENANGO RIVER OXFORD, NY

June 16, 2026

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

SPECIFICATIONS

1. SECTION 329219 SEEDING: Discard the Section bound in the Project Manual and substitute with the accompanying Section (pages 329219 – 1 thru 329219 – 6) noted “Addendum No. 1.”

END OF ADDENDUM

Brady M. Sherlock, P.E.
Director, Division of Design
Design & Construction

SECTION 329219

SEEDING

PART 1 GENERAL

1.01 SUBMITTALS

- A. Product Data; Hydro Mulch: Manufacturer's specifications and application rate.
- B. Sample: One pound of seed for each mix in vendor's unopened package with label and seed analysis.
- C. Product Data; Fertilizer: 4-0-4, with 50% of nitrogen as slow release.

1.02 QUALITY ASSURANCE

- A. Field Examples: Seed samples will be taken by the Director's Representative 30 days before sowing and sent to the New York State Seed Testing Laboratory, 6 Harriman Campus Road, Albany, NY 12206 for testing. Test analysis will indicate species, purity, percent of germination, and weed content. Results will be sent directly to the Director for acceptance or rejection based on these tests. Pay all expenses incurred for testing.

1.03 DELIVERY STORAGE AND HANDLING

- A. Deliver fertilizer in manufacturer's standard size bags or cartons showing weight, analysis, and the name of the manufacturer. Store as approved by Director's Representative.
- B. Store all seed at the site in a cool dry place as approved by the Director's Representative. Replace any seed damaged during storage.
- C. Deliver seeds, 30 days in advance of anticipated use, in vendor's unopened packages bearing labels showing vendor's name and seed analysis by weight.
- D. Deliver erosion control blanket in manufacturer's standard packing material, showing the name of the manufacturer. Store as approved by the Director's Representative.

1.04 SCHEDULING

- A. Time For Seeding: Optimum period to sow permanent grass seed is between April 1st and May 15th or between August 15th and October 1st. Schedule application for when weather conditions permit or as Directed.
 - 1. Provide temporary seed and mulch when final grading is complete while waiting for optimal seeding period.
 - 2. Provide temporary seed and mulch for temporary cover on disturbed ground not to be worked on for more than 7 days.

3. Provide temporary seed and mulch on disturbed earth prior to temporary shutdown of construction.

PART 2 PRODUCTS

2.01 FERTILIZER

- A. Fertilizer: Mixed commercial fertilizers shall contain total nitrogen, available phosphoric acid and soluble potash in the ratio of 10-6-4 (50% N/UF). 50% of total nitrogen shall be derived from ureaform furnishing a minimum of 3.5% water insoluble nitrogen (3.5% WIN). The balance of the nitrogen shall be present as methylene urea, water soluble urea, nitrate and ammoniacal compounds.
- B. Other fertilizers meeting DOT Specification Section 713-03 Fertilizer can be used.

2.02 SEED

- A. Furnish fresh, clean, new-crop seed mixed in the proportions specified for species and variety, and conforming to Federal and State Standards.
- B. Acceptable material in a seed mixture other than pure live seed consists of nonviable seed, chaff, hulls, live seed of crop plants and inert matter. The percentage of weed seed shall not exceed 0.1 percent by weight.
- C. All seed will be rejected if the label or test analysis indicates any of the following contaminates: Timothy, Orchard Grass, Sheep Fescue, Meadow Fescue, Canada Blue Grass, Alta Fescue, Kentucky 31 Fescue, and Bent Grass.
- D. Provide the following seed mixtures:
 A = Min. Percentage of Germination
 B = Min. Purity Percentage
 C = Weight Pure Live Seed in Mixture

SEED MIX "A" – URBAN LAWN MIX

| Name | Variety | A | B | C |
|---|--|----|----|----|
| Creeping Red Fescue (Festuca rubra trichophylla) | Ensylva. | 85 | 97 | 25 |
| Kentucky Bluegrass * (Poa pratensis) | Barron, Flyking, Glade, or an approved equal. | 80 | 95 | 55 |
| Perennial Ryegrass ** (Lolium perenne) | Manhattan II, Pennfine, Yorktown II, or an approved equal. | 90 | 98 | 20 |

*Approximately equal proportions of 2 or more improved Bluegrass varieties as listed in the Cornell Recommendations for Turfgrass.

**One or more of the improved Ryegrass varieties as listed in the Cornell Recommendations for Turfgrass.

RIPARIAN BUFFER SEED MIX

| Scientific Name | Common Name | Percent Germination | Percent by No. of Seeds |
|----------------------------------|----------------------------|----------------------------|--------------------------------|
| Elymus virginicus | Virginia Wildrye | 90 | 20 |
| Panicum clandestinum | Deertongue | 90 | 20 |
| Andropogon gerardii 'Niagara' | Big Bluestem, 'Niagara' | 90 | 18 |
| Sorghastrum nutans | Indiangrass | 90 | 18 |
| Panicum virgatum, 'Shelter' | Switchgrass, 'Shelter' | 90 | 10 |
| Rudbeckia hirta | Blackeyed Susan | 90 | 3 |
| Verbena hastata | Blue Vervain | 90 | 3 |
| Asclepias incarnata | Swamp Milkweed | 90 | 2.5 |
| Aster novae-angliae | New England Aster | 90 | 2 |
| Zizia aurea | Golden Alexanders | 90 | 1.5 |
| Solidago rugosa | Wrinkleleaf Goldenrod | 90 | 0.8 |
| Monarda fistulosa | Wild Bergamot | 90 | 0.5 |
| Eupatorium perfoliatum | Boneset | 90 | 0.3 |
| Helenium autumnale | Common Sneezeweed | 90 | 0.3 |
| Aster prenanthoides | Zigzag Aster | 90 | 0.1 |

*Riparian Buffer Mix shall be Ernst Seeds ENRMX-178 or functional equivalent, as approved by Director's Representative.

2.03 COVER CROP SEED

- A. Furnish fresh, clean, new-crop seed mixed in the proportions specified for species and variety, and conforming to Federal and State Standards.
- B. Acceptable material in a seed mixture other than pure live seed consists of nonviable seed, chaff, hulls, live seed of crop plants and inert matter. The percentage of weed seed shall not exceed 0.1 percent by weight.
- C. All seed will be rejected if the label or test analysis indicates any of the following contaminants: Timothy, Orchard Grass, Sheep Fescue, Meadow Fescue, Canada Blue Grass, Alta Fescue, Kentucky 31 Fescue, and Bent Grass.
- D. Cover crop is of annual rye (*Lolium multiflorum*) or functional native equivalent approved by the Director's Representative.

2.04 MULCH

- A. Dry Application, Straw: Stalks of oats, wheat, rye or other approved crops which are free of noxious weeds. Weight shall be based on a 15 percent moisture content.

- B. Hydro Application: Colored wood cellulose fiber product specifically designed for use as a hydro-mechanical applied mulch. Acceptable Product: Conwed Hydro Mulch, Conwed Fibers, 231 4th Street SW, Hickory, NC.

2.05 EROSION CONTROL BLANKET

- A. Erosion Control Blanket: Product - SC150 by North American Green, 14649 Highway 41 North, Evansville, IN 47725, (800) 772-2040, www.nagreen.com.
 - 1. Stakes: North American Green (6" wire staples).

PART 3 EXECUTION

Seeding is to take place only once all other work has concluded in the vicinity, excepting maintenance and removal of erosion control measures. Any impact to the seeding during establishment will be remediated by the Contractor at no additional cost to the State.

3.01 PREPARATION

- A. Seed Bed: Scarify soil to a depth of 3 inches in compacted areas. Smooth out unsightly variations, bumps, ridges, and depressions which will hold water. Remove stones, litter, or other objectionable material.
 - 1. Obtain written approval of seed bed from the Director's Representative before commencing seeding operations.

3.02 FERTILIZING

- A. Apply 4-0-4 fertilizer evenly at the rate of 7.5 pounds per 1,000 sq ft.

3.03 SEEDING

- A. Assume all risks when seed is sowed before approval of seed analysis.
- B. Apply seed mixes to the areas shown on the Contract Drawings. If additional areas require seeding due to incidental disturbance, Seed Mix "A" (plus cover crop) should be utilized.
- C. Do not seed when the wind velocity exceeds 5 miles per hour.
- D. Application Rate:
 - 1. Seed Mix "A":
 - a. Kentucky Blue Grass applied at a rate of 1½ pounds per 1,000 square feet or 65 pounds per acre.
 - b. Creeping Red Fescue applied at a rate of 1½ pounds per 1,000 square feet or 65 pounds per acre.
 - c. Perennial Rye Grass applied at a rate of 1½ pounds per 1,000 square feet or 65 pounds per acre.
 - 2.. Riparian Buffer Seed mix: 20 pounds per acre with a cover crop simultaneously applied at a rate of 30 pounds per acre.

- E. Dry Application: Sow seed evenly by hand or seed spreader on dry or moderately dry soil.
- F. Hydroseeding:
 - 1. Apply seeding materials with an approved hydroseeder.
 - 2. Fill tank with water and agitate while adding seeding materials. Use sufficient fertilizer, mulch, and seed to obtain the specified application rate. Add seed to the tank after the fertilizer and mulch have been added. Maintain constant agitation to keep contents in homogeneous suspension. Prolonged delays in application or agitation that may be injurious to the seed will be the basis of rejection of material remaining in tank.
 - 3. Distribute uniformly a slurry mixture of water, seed, fertilizer, and mulch at a minimum rate of 63 gallons per 1000 sq ft (2740 gallons per acre). The Director's Representative may order the amount of water increased if distribution of seeding materials is not uniform.

3.04 MULCHING

- A. Dry Application: Within one day after seeding, cover the seeded areas with a uniform blanket of straw mulch at the rate of 100 pounds per 1000 sq ft of seeded area.
- B. Hydro Application: Apply approved mulch in accordance with the manufacturer's written instructions and recommended rates of application.

3.05 EROSION CONTROL BLANKET

- A. Erosion Control Blanket: Within one day after seeding, cover areas at a slope greater than 3:1 [horizontal:vertical] with a uniform blanket of erosion control blanket. Apply approved blanket in accordance with the manufacturer's written instructions. Do not apply straw mulch in area that erosion control blanket will be covering.
- B. Stakes: Install approved stakes in accordance with the manufacturer's written instructions.

3.06 LAWN ESTABLISHMENT

- A. Water seeded areas to the equivalent of 0.5 inch of water on a daily basis for 10 days following application.
- B. Maintain grass in areas seeded with Seed Mix "A" – Urban Lawn Grass at heights between 3 inches and 3-1/2 inches on a weekly basis until the Final Acceptance of the Work. Areas seeded with Riparian Buffer Seed Mix are not to be mowed, but must be maintained to control weeds during establishment.
- C. Water and protect all seeded areas until completion of one-year warranty period and final acceptance of the lawn.

3.07 FINAL ACCEPTANCE

- A. Final acceptance of lawn areas will be granted when a uniform stand of acceptable grass is obtained, with a minimum of 90 percent coverage. Portions of the lawn areas may be accepted at various times at the discretion of the Director's Representative.
- B. Unacceptable lawn areas, all areas one square foot or greater that have not established vegetation within one-year or areas with more than 10 percent coverage by undesirable species. After treatments approved by the Director's Representative (including weed control, or decompaction of soil), these areas must be reseeded, fertilized, and mulched at one-half the specified rate, use full water rate.
- C. At the physical completion of the Work, the State will assume maintenance responsibilities of the lawn areas.

END OF SECTION