

To All Planholders and/or Prospective Bidders:

PART 1, RESPONSES TO BIDDER QUESTIONS

- Q1. In Section 32 92 19.00 13 Seeding; The specification calls for watering of the seeded areas, there are 40.5 acres of seeding @ 10,000 Gal/AC, is there 405,000 gallons of water available for use per watering? Who pays for the water? And does the cost of applying the water to 40 AC is approx. \$10,000 per application need to be included in the price of turf establishment?

The seed mix is a native tall grass mix which probably does not need watering, there is also reference to mowing to 3-inches, these native grasses grow up to 2-feet where they produce seed and reseed themselves, cutting them at 3-inches defeats their purpose and deters additional growth.

- A1. Water as required to establish and maintain grass. Contractor is responsible for obtaining and paying for required water.

END OF PART 1, RESPONSES TO BIDDER QUESTIONS

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the construction of Oxbow-Hickson-Bakke Ring Levee-Phase A, Work Package 43A, dated April 2014 as fully and completely as if the same were fully set forth therein:

B. PART 3, SPECIFICATIONS

1. Section 32 92 19.00 13:

- a. REPLACE Paragraph 3.02.A.3 in its entirety with:

3.02.A.3 Drill Seeding: Drill seed with approved equipment with drills set not more than 6 inches apart. Obtain a final planting depth of 1/8 to 3/8 inch at the rate specified for the mix. Use row markers with the drill seeder. Maintain half full seed boxes during the seeding operations. When slopes exceed 1 vertical on 5 horizontal, install baffle plates no more than 6 inches apart in the seed box.

- b. ADD the following sentence to the end of Paragraph 3.02.A.4:

Hydroseeding is only allowed for the West Pond.

- c. ADD two new paragraphs after Paragraph 3.02.A.4:

3.02.A.5 Tillage: Disk the subsoil to a depth of 6 to 8 inches after shaping to the design contours. Place topsoil over the disked subsoil to the depth indicated. Incorporate the topsoil to a depth of two inches into the subsoil but do not excessively mix. Conduct tillage operations during periods when, in the opinion of the Owner's Representative, beneficial

results are likely to be obtained. Till soil compacted by construction equipment or soil on compacted slopes or grades to a minimum depth of four inches by disking or tilling before applying seed. Do not till cohesive shall when wet to prevent cloddy or puddle conditions.

3.02.A.6 Seeding: Check the seedbed soil density for appropriate compaction to obtain sufficient seed/soil contact. Do not seed on a seedbed that is too loose or too compact. Obtain a seedbed having a friable structure that allows infiltration of moisture; does not puddle or become compacted by seeding equipment or rainfall; can be easily worked to incorporate seed into the soil; and has a firm soil beneath the seeding depth. When preparing for drill seeding, check that footprints do not leave an indentation of more than one inch deep. Firm soil with a cultipacker or roller to prevent seed from being buried too deep. Do not seed when the wind velocity will prevent uniform seed distribution.

d. MODIFY Paragraph 3.04.A:

Delete "at a rate of about 10,000 gallons per acre" in the last sentence

e. REPLACE Paragraph 3.04.B in its entirety with:

Mowing: Use mowing to control pioneering weeds and other competition. For the purposes of this project, a weed is defined as a plant not native to prairies in this part of North Dakota. Perform mowing after seeding and starting when the majority of the vegetation is 12"-18" high. Perform mowing before the weed species set seed. Conduct mowing as needed, depending on weed growth at a minimum of once per month during the first growing season. Multiple mowings may be necessary. Mow at a height of 6 to 8 inches. Perform periodic and final grass mowing within the limits of work until final inspection and acceptance.

f. REPLACE Paragraph 3.05.B in its entirety with:

An acceptable stand of turf for the seed mixtures specified for this project is defined as a spacing of 1 - 6 inches between plants in each row and a maximum spacing of 8 inches between rows for areas that are planted using a seed drill. For areas planted by broadcast seeding, a stand of turf is considered acceptable when the area required to be seeded has produced the specified species over a minimum of 75 percent of the total area. Owner's Representative will determine percent coverage by the use of a 1 meter square with 100 blocks of 100cm² (10 cm grid) at selected locations. If 25 blocks of the 1 -meter square do not contain one or more of the species listed in the specified seed mixtures, that section will be deemed unacceptable. For either seeding method, a minimum of 50% of the specified species planted shall be alive and present, and a minimum of 50% of the vegetation shall be the permanent species. The permanent species refers to the specified species other than oats or winter wheat.

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 3 in the Bid Form. Bid Forms submitted without acknowledgment or without this Addendum will be considered in nonconformance.

Houston-Moore Group, LLC



Project Engineer

Appended hereto and part of Addendum No. 3: None.

This document was originally issued and sealed by Christopher M. Gross, Registration No. PE-7496, on 05/05/14 and the original document is stored at CH2M HILL ENGINEERING, INC., Fargo, ND

END OF ADDENDUM