



Purchasing Division
Finance Department
Room 120
411 West First Street
Duluth, Minnesota 55802

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purchasing@duluthmn.gov

Addendum #2
Solicitation # 20-99304
Snow Emergency Route Sign Installations

This addendum serves to notify all bidders of the following changes to the solicitation documents:

1. Change bid opening date from April 1, 2020 to April 7, 2020.
2. Clarify that the language in Addendum 1, for Bid item 5, Sign Panel Type C- this included the full text of the paragraph, but should be read in context with the plans. Flanged or u-channel posts are not acceptable. Only tubular posts will be allowed as shown on the plans and in the details.
3. The 2019 Edition of the City of Duluth Public Works and Utilities Department Construction Standards are incorporated by reference on the plan cover sheet. These are modified as follows:

Delete Standard detail T-2. Replace with DWG# MN2018-1E dated 3/27/2020 and attached to this addendum. The internal sleeve is required (not optional) for the concrete surface mounts as per plan sheet 3 of 6, general notes.

4. Special Provisions: delete SP-16 (2564) TRAFFIC SIGNS AND DEVICES and replace with the following:

SP-16 (2564) TRAFFIC SIGNS AND DEVICES

The provisions of the City of Duluth Construction Standard 2564, "Traffic Signs and Devices", are deleted. The provisions of the MNDOT Construction Standard 2564, "Traffic Signs and Devices", are modified as follows:

DESCRIPTION

The Contractor shall furnish and install traffic signs in accordance with 2564, "Traffic Signs and Devices," except as modified in these Special Provisions.

MATERIAL REQUIREMENTS

The provisions of 2564.2 are supplemented as follows:

All sign faces shall consist of 3-M brand, Diamond Grade DG³ reflective sheeting or approved equal, unless authorized by the City of Duluth.

All traffic signs shall be fastened to sign posts with 316 stainless steel bolts, washers, and Nyloc nuts. The washer shall be separated from sign sheeting by a nylon washer.

CONSTRUCTION REQUIREMENTS

The provisions of 2564.3A, "Traffic Signs and Devices: Construction Requirements: General" are modified and supplemented as follows:

All traffic signs shall be installed to a minimum height of seven feet to the bottom of the sign, per the MN MUTCD.

All traffic posts installed shall conform to DWG MN2018-1E dated 3/27/2020, with use of MN/DOT approved/qualified products. All bases shall be located in an area clear of utilities to a distance of two feet in all directions, and a minimum of two feet behind the face of curb.

The following replaces the fourth paragraph of 2564.3A:

Sign locations and sign structure post lengths indicated on the Plans are approximate. Where city blocks exist, spacing is approximately one per block for each direction of travel, located approximately 100 feet in from the nearest intersection. Where city blocks do not exist, spacing is approximately 500 feet. Where No Parking is allowed, signs are located at the end of each route segment, and again near major intersections. Final locations will be determined by the Contractor in the field. The Engineer will not verify each final location due to the scope of the project. The Contractor shall determine the final post lengths for Type C signs in accordance with offsets, mounting heights and clearances detailed on the Plans and field verification of the in-place slopes.

Warning Stickers

Install Department-provided warning stickers on new C sign panels according to 2564.3H.2, "Traffic Signs and Devices: Construction Requirements: Sign Panels: Fabrication and Warning Stickers."

Give 30 days' advance notice to the Department prior to picking up the Department-provided warning stickers:

Bob LeDoux
218-730-4471

Furnish Sign Panels

Coordinate with and deliver furnished sign panels to

Bob LeDoux
218-730-4471
105 N 40th Avenue West
Duluth, MN 55807

Post-Award Data

EPS and PDF files for the panel layout shown on the Plans are available electronically upon project award. To request these files, please contact:

Taryn Erickson
Project Engineer
tjerickson@duluthmn.gov

The City believes the electronic data it will provide is accurate, but the City provides no guarantee or warranty, express or implied, concerning the accuracy of the data and the Contractor shall not act in reliance on the data without verifying the data against the contract documents. The documents originally provided with the Contract remain the basis of the Contract, and the electronic data that will be provided at the Request of the Contractor is provided only for the convenience of the Contractor. Therefore, if use of this data causes an error, omission, unacceptable work, or work not in conformance with the contract documents, then any costs to the Contractor to make corrections as a result of this error will not be considered "extra work", and the Contractor will not be entitled to an adjustment of contract time.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

The Engineer will measure each item according to the Contract and the 2564, "Traffic Signs and Devices: Construction Requirements" section of these Special Provisions.

The Department will include all work described in the Contract and the 2564, "Traffic Signs and Devices: Construction Requirements" section of these Special Provisions as part of the contract unit price per unit of measure.

The Department will pay for traffic signs and devices on the basis of the following schedule:

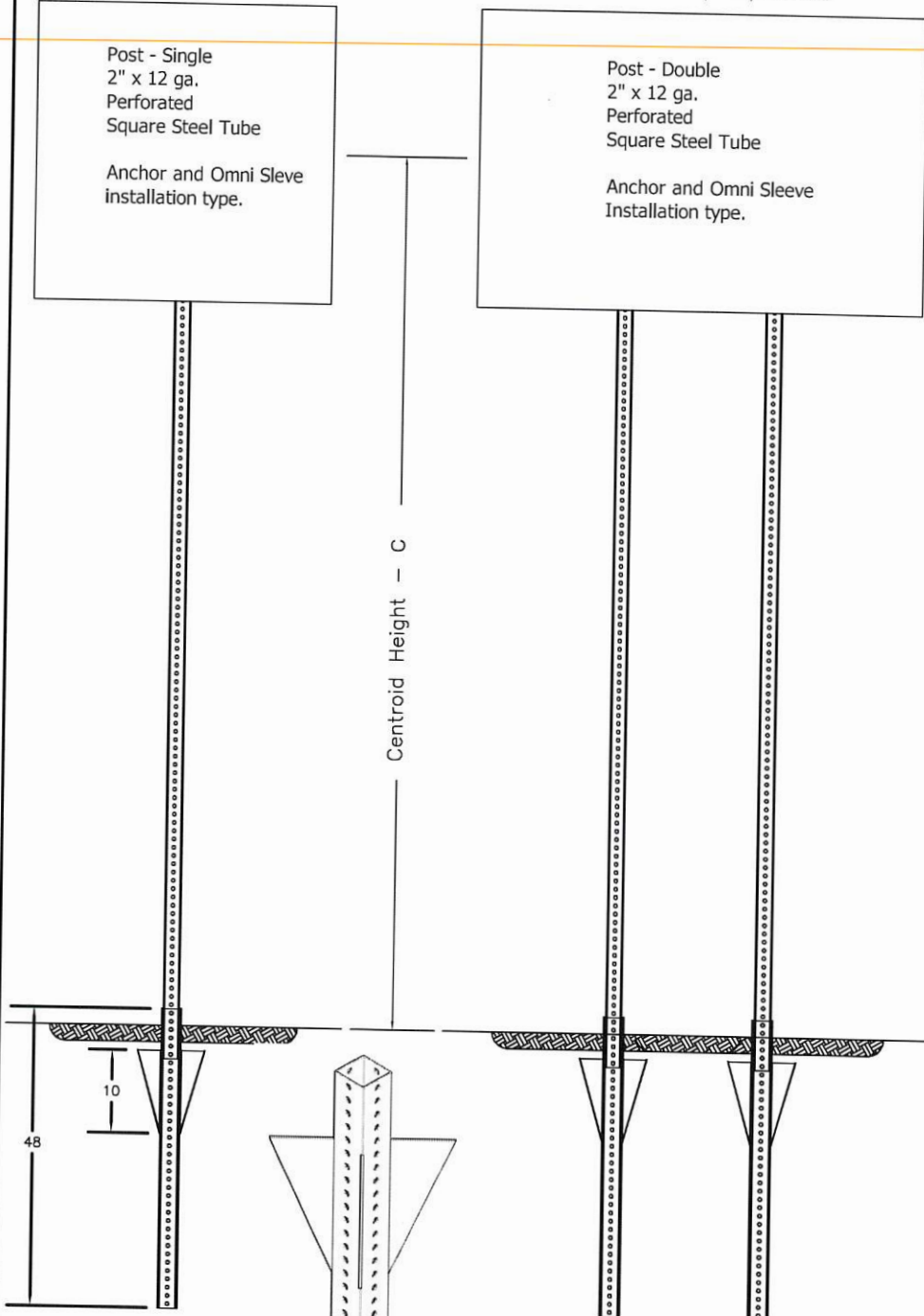
<u>Item No.:</u>	<u>Item:</u>	<u>Unit:</u>
2564.518	Sign Panels Type C	Square foot
2564.518	Furnish Sign Panels Type C	Square foot

The Department's payment for each item shall be compensation in full for all work, material, and costs involved in performing the work specified on the Plans and these Special Provisions.

Please acknowledge receipt of this Addendum by checking the acknowledgment box within the Bid Express solicitation.

Posted: **March 31, 2020**

PERFORATED SQUARE STEEL TUBE POST, ANCHOR, & OMNI SLEEVE (PSST) SYSTEM:

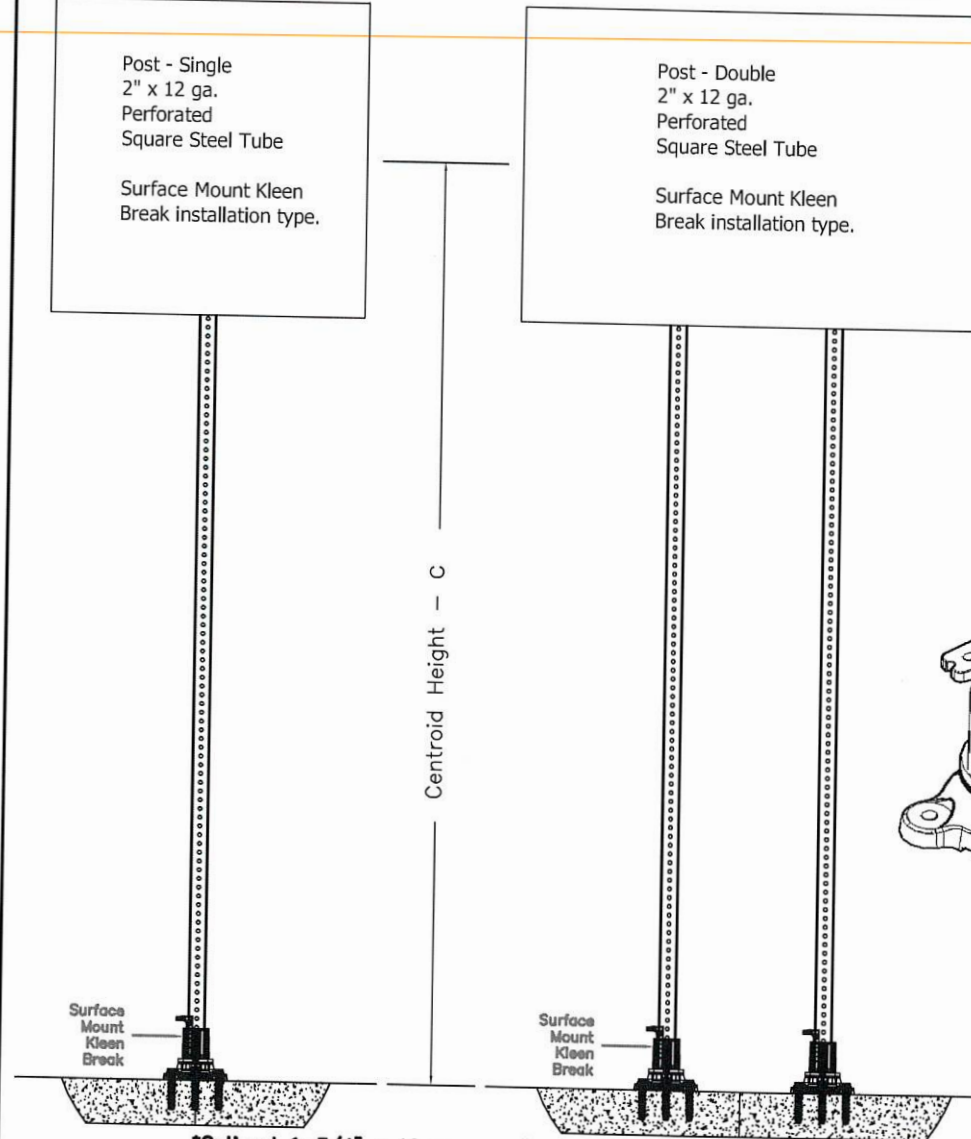


POST: 2" x 12 ga. x appropriate length
ANCHOR: 2 1/4" x 12 ga. 48"
OMNI SLEEVE: 2 1/2" x 12 GA. x 48" and shall contain four 4" x 10" x 12 ga. pre-galv ASTM A569 steel fins welded to each of the four corners, starting 6" down from top of sleeve and must be spray galvanized after welding.

OMNI DIRECTINAL SOIL BEARING SLEEVE

Perforated Square Steel Tube shall be ASTM A1011, Grade 50 steel (ASTM A653, G90) with an average minimum of 60,000 psi yield strength, after cold-forming. It must be corner welded, scarfed after welding, and zinc coated after scarfing. A chromate conversion coating and a clear organic polymer topcoat shall be applied. Interior and exterior shall be galvanized. Tube shall be perforated with 7/16" holes, spaced 1" apart, along the centerline the entire length on all four sides.

PERFORATED SQUARE STEEL TUBE POST (PSST), SURFACE MOUNT KLEEN BREAK SYSTEM.



*Optional 1-3/4" x 12 ga. x 36" internal sleeve may be used to stiffen the post for low speed impacts

2 POST MAXIMUM WITHIN 7'-0" SPAN

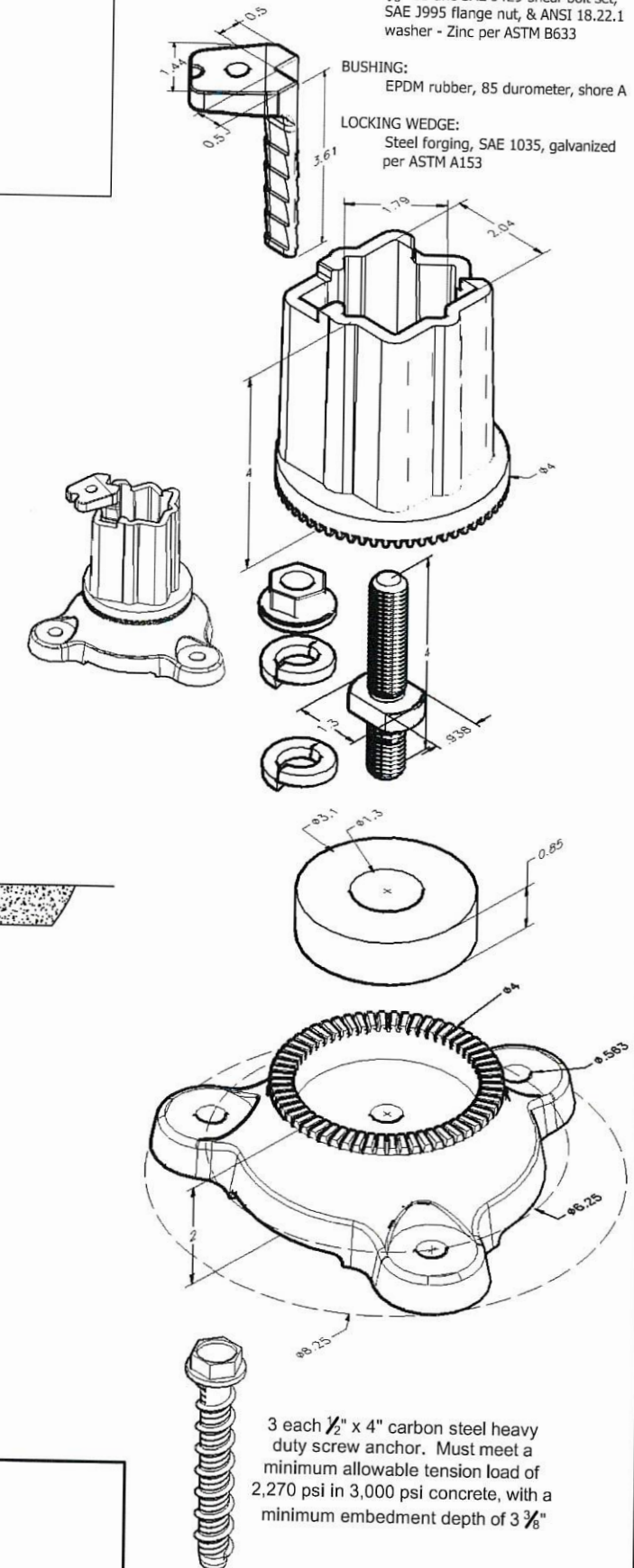
MEETS OR EXCEEDS NCHRP350 CRITERIA.

SURFACE MOUNT BASE AND POST RECEIVER:
Ductile Class ASTM A536, Grade 65-45-12, galvanized per ASTM A153

SHEAR BOLT HARDWARE SET:
5/8"-11 unc SAE J429 shear bolt set,
SAE J995 flange nut, & ANSI 18.22.1 washer - Zinc per ASTM B633

BUSHING:
EPDM rubber, 85 durometer, shore A

LOCKING WEDGE:
Steel forging, SAE 1035, galvanized per ASTM A153



3 each 1/2" x 4" carbon steel heavy duty screw anchor. Must meet a minimum allowable tension load of 2,270 psi in 3,000 psi concrete, with a minimum embedment depth of 3 3/8"