MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**BENCH**

COL:JWS 1 of 2 APPR:NAP:NMA:04-08-22

**a. Description.** This work consists of furnishing and installing a bench in accordance with the details and at the location on the plans. This includes any necessary excavation, backfilling, and disposal of unsuitable materials required for a complete installation.

**b. Materials.** Furnish bench materials selected and approved by the Village of Lawton. The materials will include the anchor bolts, nuts, washers, and all other hardware required for installation in accordance with the details included on the plans and per the manufacturer’s recommendations.

Acceptable manufacturers and styles of bench are as follows.

1. Bench style is based on Scarborough backed and backless benches as manufactured by Landscape Form, Inc., Kalamazoo, MI

A. Select the bench from one of the following Manufacturer’s:

Supplier Telephone No.

Landscape Forms, Inc. (800) 430-6209

Victor Stanley, Inc. (800) 368-2573

Canterbury Designs (800) 935-7111

2. Style.

A. Backed. 72-inch length, 28-inch depth, 34-inch overall height, 28-inch arm height.

B. Backless. 72-inch length, 26-inch depth, 28-inch overall height.

3. Mounting. Surface Mount.

4. Frame. End supports with integral armrests are sand cast aluminum. Seat straps, back straps, and center straps are sand-cast aluminum. Leg section is 1½ inch by 2 inch oval shape. End supports are connected by two A36 steel channels 1½ inch by 9/16 inch by 3/16 inch fastened with black Magni-coated steel cap screws.

5. Arms. Arms on both ends with no center arm.

6. Seat Pattern. Horizontal strap for exterior or interior applications, constructed of steel straps 1½ inch by 0.188 inches.

7. Strap Supports. End frames are 1 inch by 1 inch solid steel, joined by 1½ inch diameter, 0.120 inch wall thickness tubular steel. Seat panels are perimeter welded to the end frames.

8. Finish. Durable black powdercoat finish.

9. Frame and Panel Color. Black.

10. Use materials in the installation of the bench in accordance with the details included on the plans. Ensure bench is surface mounted and installed per the manufacturer’s recommendations.

A. Ensure all anchoring bolts, nuts, washers, and all other hardware for installation are galvanized, as provided by manufacturer.

B. Finish all metal components with powder coat standard color, to be confirmed by shop drawing submittals.

11. When requested by the Engineer, furnish certification regarding the compliance of materials incorporated in the work.

12. Submit complete shop drawings for this item in PDF that allows commenting.

**c. Construction.** Install and anchor the bench in the concrete sidewalk in accordance with the details as shown on the plans. Ensure the bench is level and square in a true, flat plane to prevent rocking. Ensure seat height is 17 inches.

**d. Measurement and Payment.** The completed work, as described, will be measured and paid for at the contract unit price using the following pay items:

**Pay Item** **Pay Unit**

Bench, Backed Each

Bench, Backless Each