

EXHIBIT F SCOPE OF WORK BUS STOP SIGN MANUFACTURING

General Information: GRTC is seeking one manufacturer to produce a variety of bus stop signs and sign equipment on an as need basis.

Signs:

Flag, Blade, and Brand Identifier Signs will be double sided. The same image shall appear on both sides of the sign, such that words may be read correctly.

All signs will use aluminum sign blanks with long-lasting printed designs from PDF or InDesign files provided by GRTC's contracted designer.

The brand identifier signs will require a class III or IV reflective sheeting similar to 3M Hi-Intensity Prismatic white sheeting. Flag and blade signs and No Parking signs shall have a class I reflective surface, similar to 3M Engineer-grade reflective sheeting.

These will be multi-colored signs using GRTC branding colors including Pantone 267, Pantone 368, Pantone 1797, and Pantone Black on a white background.

A. Flag and Blade Signs

The rectangular sign, flag and blade signs, will require an "L-bend" on one side, 2-inches wide, at a 90-degree angle. Each sign will require two holes in the bent portion, one near the top and one near the bottom, to allow for securing bolts through the sign, and will need to match the holes on the sign posts. The signs will be installed with the 2-inch bent area flush to the sign posts.

B. Brand Identifier Signs

The round brand identifier signs will require a post cap for mounting on top of the posts.

C. No Parking Signs

- 12" x 18" with 1.5" radius corners
- .080 thickness aluminum
- Printed on 3M 3930 High Intensity Grade Prismatic Reflective Sheeting or similar

D. Braille Bus Stop Signs

Stainless steel or equivalent material, ADA compliant identifier signs fabricated from .060" stainless steel or aluminum or equivalent material with embossed tactile and Braille characters. Characters are stainless steel or equivalent finish, background is exterior grade polyurethane powder coat finish in RAL 5003 Blue.

- Sign Size: 3"x 4.5" ADA Approved; Bus Stop Number: 0.625" (example below)
- Holes located at top middle and bottom middle of sign to fit 2" square post
- Must be weatherproof

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- Font Sans Serif
- GRTC shall provide the information for the bus stop numbers

GRTC requires mounting equipment and hardware for all signs:

- Brand identifier: 2" square post cap with set screws (sign will not be punched with holes)
- Flag, Blades, and No Parking signs: two bolts for each sign, with at least 2 nuts/washers per bolt. The vendor shall include 2.5 to 3-inch bolts so as not to leave too much extra sticking out from the post.
- Braille signs: Mounting Plates for installing signs on 2" square posts with 1" depth. Mounting plates must be aluminum, or stainless steel or equivalent rust resistant material.

Security Screws or equivalent apparatus for use with Mounting Plates to attach Braille Bus Stop identifier plates to square post. Security screws should be stainless steel or equivalent material with pin-in socket security head.

Poles:

A. Bus stop poles (standard)

- 2" square 14 gauge steel posts
- Fully punched
- 10'

B. Bus stop poles (short)

- 2" square 14 gauge steel posts
- Fully punched
- 7'

C. Pole Footers for installation in concrete

- flat bracket
- wedge bolts for installation in concrete

D. Post anchor for pole installation in grass or soil

- 36" x 2 1/4" x 2 1/4" fully punched galvanized steel
- 12 gauge

Additional Services

From time to time, GRTC may require sign services outside of the specifications outlined above. Should this need arise, Project Manager will provide specifications and delivery time to the contractor for consideration.

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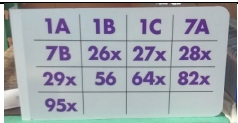
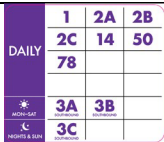




Sign type or equipment	Quantity	Where mounted	size	Example from design prototype
Brand Identifier double sided, same design for all stops	Max per year: 150	Top-mounted (with post cap)	12" round	
Post cap	Max per year: 150		2" square post cap with set screws (sign will not be punched with holes)	
Bus Stop Flag double sided, unique number for each stop	Max per year: 150	Side mounted on post using "L-bend" with nuts and bolts	14"x 18" rectangular face, total sign area is 16"x 18" including the 90-degree "L-bend"	
Bus Stop Blades – narrow double sided, stop specific combination of blades	Max per year: 800	Side mounted under flag sign on post using "L-bend" with nuts and bolts	14 x 4" rectangular face, total sign area is 16"x4" including the 90-degree "L-bend"	
Bus Stop Blades – narrow - Sticker Only single sided, stop specific	Max per year: 200	Side mounted under flag sign on post using "L-bend" metal sign	14 x 4" rectangular face,	
Bus Stop Blades – custom double sided, stop specific	Max per year: 30	Side mounted under flag sign on post using "L-bend" metal sign	14 x 8" rectangular face, total sign area is 16"x8" including the 90-degree "L-bend"	
Bus Stop Blades – custom double sided, stop specific	Max per year: 30	Side mounted under flag sign on post using "L-bend" metal sign	14 x 12" rectangular face, total sign area is 16"x8" including the 90-degree "L-bend"	

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<p>Snow Blade</p> <p>double sided, same design for all stops</p>	<p>Max per year: 200</p>	<p>Side mounted on post using "L-bend" with nuts and bolts</p>	<p>4" x 4" square face, total sign area is 6"x 4" including the 90-degree "L-bend"</p>	
<p>No Parking Signs</p> <p>single sided, one of three designs</p>	<p>Max per year: 150</p>	<p>Back mounted on post</p>		
<p>Braille Signs (single sided)</p>	<p>One per stop Max per year: 200</p>	<p>Back mounted on post</p>		
<p>Bus Stop poles - standard</p>	<p>One per stop Max per year: 450</p>		<p>10'</p>	
<p>Bus Stop poles - short</p>	<p>One per stop Max per year: 20</p>		<p>7'</p>	
<p>Bus Stop footers for concrete</p>	<p>One per stop Max per year: 450</p>			
<p>Bus Stop pole anchors for grass or soil</p>	<p>One per stop Max per year: 300</p>			