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INTRODUCTION

In June 2003, the City Council of the City of Georgetown adopted the Downtown Master Plan. One element of the plan calls for a coordinated system of wayfinding and public signage to get vehicles and pedestrians to and around downtown by providing a hierarchical system of signage and symbols.

Coupled with the need to provide a wayfinding system for downtown, the City also recognized the need to provide a consistent and coordinated system of signs city-wide. This need is a result of rapid population and geographic growth of the City and the corresponding development of many new public amenities throughout the community.

Another goal of the wayfinding and signage master plan is to provide a mechanism to direct vehicular traffic to residential subdivisions still in the process of building new residential homes. This component of the wayfinding plan addresses the City’s desire to eliminate so-called “bandit signs” that have been used by home builders to direct potential buyers to their products.

Finally, the City wanted to identify the entry points into the community along major roadways with welcoming signage that announces the arrival of residents and visitors into the City of Georgetown. Existing dilapidated entry signs will be removed as a part of this plan.

In order to address all of the aforementioned goals, the City contracted with Babendure Design Group in August 2004 to assist in the development of the wayfinding and signage master plan. Babendure worked in consultation with an advisory committee of city staff, city board and commission members, TXDOT staff, Williamson County staff, Southwestern University staff, and Georgetown Heritage Society board members to develop the plan. The draft plan was presented to and approved by the City Council on March 22, 2005.

Because many of the major thoroughfares in Georgetown are State of Texas controlled roadways, it is important that the City’s wayfinding and signage master plan conform to the State’s requirements for sign placement within their rights-of-way. To that end, the City has worked diligently with the State Department of Transportation (TXDOT) throughout the development of this plan. At the time of publication of this document, TXDOT approval of the placement of City of Georgetown wayfinding signs within their rights-of-way is still pending.

OBJECTIVES

The goals of the environmental graphics system are to create a “sense of place,” making the city more memorable to residents and visitors, and to inform the users. The requirement of the graphics system is that it must be both flexible and expansive. The successful system will celebrate the unique character of Georgetown.

The following are some objectives of the environmental graphics system for Georgetown:

1. Develop and reinforce an identity for the system
2. Establish boundaries of the project areas
3. Identify key entry points into the area
4. Define pathways for vehicular traffic into and out of the area
5. Define pathways for vehicular traffic to parking areas
6. Define pathways for pedestrians from parking areas to amenities and events
7. Create an awareness of destinations and promote them
8. Reduce the visual clutter or overuse of signs to reduce confusion
9. Enhance the perception of Georgetown as a safe, clean and welcoming environment
10. Create a system of simple components that are easily fabricated and easily maintained
11. Create a system with neutral colors and shapes that do not clash with any of the various architectural styles of Georgetown

The installation of environmental graphics alone will not accomplish all of these objectives. Because they are “environmental,” these signs will be affected by what is happening around them. For example, a vehicular directional sign may be totally lost if located among a lot of other signs or concealed by trees. A pedestrian directional would not be functional if located where there are no pedestrians.

The programming for a signage system is critical to its success. This is the process of determining what sign type is most appropriate at a particular location, what it should say, and how it relates to the other signs within the system.
THE WAYFINDING CONCEPT

The wayfinding system begins with the creation of an area identity, the definition of the boundaries for the area, and then direction of vehicles and pedestrians to specific destinations within that area. The goal is to promote the use of public facilities, visitor-oriented businesses, recreational amenities and parking in Georgetown. It consists of the following components:

Identity System

This system uses monumental signage to announce Georgetown. The color and design of the signage system also helps to reinforce the area identity and reinforces the physical boundaries of the city, thereby creating a recognizable place.

This system can also include seasonal banners, which help to create a visually exciting environment. Banners often promote special events, or simply reinforce the boundaries of a district. These can be changed frequently to continually refresh the image of the area for residents and visitors alike. Temporary enhancements, such as construction barricade fences, provide an excellent backdrop for graphics and provide a palette for community involvement. Other decorative elements include flags, seasonal or specialty lighting, special events posters in directory kiosks or in parking lots – anything that helps visually celebrate Georgetown’s changing menu of events and seasons.

Vehicular Directional System

This system moves vehicles from freeways and major traffic spines leading into Georgetown, to major destinations or destination zones, and to parking areas along preferred routes. It contains limited amounts of information so as not to confuse drivers.

The vehicular system focuses on first-time users and tourists. These signs should be located at key decision-making intersections, and should appear frequently enough so as not to “lose” the driver. Once the driver has reached a parking area, the pedestrian system takes over.

Pedestrian

Directional System - Once the visitor has arrived at a parking destination, the next level of signing contains more information than vehicular directional. It includes specific destinations that are within walking distance, as well as maps to help orient the visitor. These signs should be located to reinforce predetermined routes so the visitor never feels lost or unsafe. The pedestrian system includes directional signs, information kiosks or directories with orientation maps, interpretive signs, and trail markers.

The pedestrian network should initially concentrate on streets that provide the type of activities that attract visitors (museums, galleries, shopping, dining, parks, and “Green Connections”). As urban improvements are made, the pedestrian directional system can expand.

Pedestrian Interpretive System - Interpretive signage is designed to bring attention to the city’s historic places and sites of interest. The stories of the city are what make it unique and memorable. The interpretive markers should present information to the visitor in a concise manner and a convenient form. The locations for these markers should tie into the pedestrian system to make the pathways more interesting to visitors and residents. Depending on their location, these signs could be either freestanding units or wall-mounted plaques.

TXDOT

Opportunities that fall along TXDOT-regulated highways have the benefit of being seen by a large number of people, but must be carefully coordinated with TXDOT.

Using existing TXDOT standards and locations, the city may be able to order Recreational and Activity signs from TXDOT. This would advertise Georgetown to travellers on the major highways without creating any new designs.

Working with the TXDOT regional representative, the city may be able to place graphics along University Avenue and Williams Drive as an incredible marketing opportunity to heighten awareness of Georgetown. This would be visible to both north and south bound traffic and could be accomplished at a modest cost by adding contrasting text to the existing bridge structure. Final resolution remains unresolved as of this issue.
DEFINITION OF TERMS

For purposes of clarification, the following terms used in this report are defined below.

Environmental Graphics

This form of visual communication is integrated into the environment to direct, inform, identify, and interpret. The term “environmental graphics” covers wayfinding systems, interpretive graphics, and decorative embellishments for buildings and public spaces.

Monuments

Major structures announcing entrances to the area. Gateways could include structures beside the traffic routes. Special coordination will be necessary and Right of Ways secured for the fabrication of the gateway. Monument size should be determined by the speed of the roadway.

Icons

Elements of a visual language, which graphically represent a place, object, theme or concept. Icons can cross language and literacy barriers, so are helpful devices when incorporated into a wayfinding or interpretive system.

Interpretive Signs

These signs are intended to identify places of interest to the community and may include events, architecturally significant building or famous people.

Message Schedule

A list of each individual sign and the message it will carry. A Message Schedule must be included with every Package to Bidders.

Pedestrian Directory

These sign are to post listing and a location map of destinations of interest to the pedestrian. It is the intent to use these signs to promote merchants and services. The message content is to be determined by the City of Georgetown.

Specifications

A list of construction and design requirements, which insure quality and consistency. Specifications must be included with every Package to Bidders.

Vehicular Directional

These signs are intended to be read from a vehicle and should be scaled according to speed and locations. Typically these signs will fall within Right of Ways and Easements and must be coordinated with the City Street Department.

Wayfinding

The discipline that evaluates an area or building from the perspective of a first-time user and then facilitates usage. Wayfinding elements might include vehicular and pedestrian directional signage to lead visitors from roadways to parking and then to specific destinations.
DESIGN CRITERIA

The following design characteristics and general guidelines are important to the success of an exterior signage system

User Friendly

- Text is legible
- Uncomplicated messages
- Enhances perception of safety
- Icons/Symbols used where possible
- Reflective text for night reading

Minimalism

- Limited number of sign types
- Provides only essential information
- Limited quantity of signs in the environment

Aesthetically Pleasing

- Harmonious to the environment
- Enduring design and typography
- Appropriately scaled to the location

Maintainable

- Easy to install/remove
- Cleanable and reparable surfaces
- Information can be easily changed or added
- Low maintenance materials
- Establish annual maintenance budget to repair and/or replace changing messages or damaged signs

Vandal Resistant

- No exposed access points
- Tamper-proof screws and bolts
- Strong structure securely installed
- No costly materials

Location

- Normally located to the right of the driver; could be repeated on the left.
- Sign must not interfere with pedestrian pathways.
- Height of sign panel should allow for clear visibility and should not impede pedestrian or vehicular traffic.
- Avoid overcrowding of panels, or more than two panels on one post.

Orientation

- Orient sign for greatest visibility from approaching traffic or pedestrians
- Landscaping, other sign and structures should not interfere with the visibility of the sign face.

Lighting

- Reflective text should be used for vehicular directional for greater legibility at night.
- Parking identities and interpretive panels should be located so as to pick up ambient light wherever possible

Consistency

- Maintain design constraints throughout the sign system.
- Be sure that messages are consistent with each other and reinforce each other from vehicular to pedestrian systems.
- Coordinate signage information with information distributed in city brochures and maps.
The Standards Document provides the design intent from which a signage component can be ordered. Each sign type contains multiple pages and these pages must be included as part of the bid, along with Specifications, Message Schedules and Project Schedule. For a Bid Assembly checklist and forms, refer to Section 8: Assemble A Package for Bid.

If all information is not included in the Bid Package, the design intent may not be carried through to a successful completion.

Knowing where to find the following information will be helpful:

**Usage**

On the first page of each sign type is a color illustration and a usage at the bottom. This tells the Sign Type Name and then gives a description. This will help you choose what you need when putting together a Bid Package.

![Usage Example](image)

**Page Title**

At the top of every drawing page is a page title with Sign Type Number and Name. Remember to include EVERY drawing from a Sign Type in your Bid Package.

![Page Title Example](image)

**Drawing Label**

Under each drawing is a Drawing Label which tells it’s order in the Sign Type, the viewpoint (front, top, side, etc), and the scale.

![Drawing Label Example](image)

**Drawing Note & Note Bubble**

This Manual breaks down each drawing to explain the construction. Each detail is noted by a Note Bubble, which corresponds to a Note on the right.

![Drawing Note & Note Bubble Example](image)
PROJECT PHASING RECOMMENDATIONS

Strategy

The cost for the entire signage program will be distributed over a period of several Fiscal Years. We are presenting our suggestion for systematic implementation grouped together by functional similarities to complete entire pieces of the system at one time.

Our goal is as follows: quickly create a public awareness program for Georgetown from surrounding major traffic arteries. Depending on funding, First and Second Priorities can be combined into one phase; the idea is to have pedestrian-driven information available at key parking and gathering spaces, highlighting amenities and services.

First Priority

ID.01 Monuments (must be in conjunction with landscaping)

TXDOT Highway Destination Signage along I-35 access roads

VEH.02 Trailblazer Signs along all major thoroughfares to Georgetown.

Parking Lot Identification for all Public Parking Lots, with Trailblazer program to direct to Visitor Parking.

PED.01 Directories & Directionals

Second Priority

VEH.01 Vehicular Directionals

PED.03 Interpretive Sign
SUGGESTED SIGN LOCATIONS
Possible locations for Trailblazers directing to Historic Downtown, Parks and Government Centers.
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<td>Trailblazer for Parking on new pole</td>
<td>![Green Circle]</td>
</tr>
<tr>
<td>Trailblazer for Parking on existing signal pole</td>
<td>![Red Circle]</td>
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<tr>
<td>Pedestrian Trailblazer for Restrooms</td>
<td>![Yellow Circle]</td>
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DOT INDICATES SIGN

- Pedestrian Directory
- Wall-Mounted Directory
- Directory in Visitors Center
SIGN PLACEMENT

Following are general guidelines for placement of vehicular and pedestrian signs as viewed when approaching the sign.

For all signs, mounting locations should be carefully considered so that viewing is not obstructed by other signs, utility lines, trees or structures. In some cases, it may be necessary to remove and/or consolidate information presented by other signs, and will be subject to the approval of the Traffic Engineering Director.

Where a new sign is replacing an older sign which does not comply with the standards in this manual, the entire sign assembly should be replaced. Old sign posts should be removed and replaced with the new custom posts, again, subject to the approval by the Traffic Engineer.

Vehicular Directionals

- Locate outside the boundaries of the Historic Downtown.
- When possible, avoid placement on sidewalks.
- Signs must be placed within the driver’s immediate cone-of-vision so that they do not have to turn their heads to see the sign.
- The sign face should be perpendicular to the approaching driver. It will be overlooked if it is parallel to the road.
- Signs should be placed on the right side of the road whenever possible. Drivers are conditioned to look to the right side of the road for signs with information.
- Locate with at least 2 feet of clearance from a curb.
- Locate with at least 6 feet of clearance from a road shoulder.
- Locate no closer than 200 feet to an intersection.
- Locate no closer than 150 feet to a similar adjacent sign.

An exception to this is when a sign is to be read from both directions of approaching traffic, as in the case of double-faced signs. If a double-faced sign is used instead of two single-faced signs on both sides of the road, the double-faced sign should be located for clear readability from both directions of approaching traffic. Also, if the messages require queuing to the left, the sign may be located to the left to provide advance warning.

- Signs which require drivers to turn must be placed well enough in advance of the intersection in order to allow for reaction time to slow down and turn.
- Signs should not overhang into the roadway if located on a sidewalk or street post.

Trailblazers

- Allowed inside the boundaries of the Historic Downtown, but similar to Vehicular Directionals in other respects.

Pedestrian Directionals

- Signs should be placed within a visible area along the path of travel. Signs should be located so as not to interfere with pedestrian traffic, nor should they block important roadway signage or obstruct views of roadway traffic.
- Pedestrian signs have been designed to mount on custom posts within a planting area. If they are placed outside a planting area, provide a base to cover the entire width of the sign to satisfy ADA requirements for pedestrians with visual impairment. Specific mounting heights are shown in the drawings for the individual sign types.
- Wall or fence-mounted signs should be placed high enough so as not to be blocked by cars and plants or other obstructions. This will generally range between 6’ to 7’ above the ground. Mounting height is measured from the ground level to the bottom of the sign panel.
- Consideration should be given to locating pedestrian signs in areas which receive ambient light from other light sources to create better visibility at night.
1.0 MATERIAL SPECIFICATIONS INTRODUCTION

The purpose of this document is to serve as a reference which identifies materials, construction specifications, and quality controls, as well as signage fabricator/contractor’s responsibilities and obligations. Signage Contractor(s) shall furnish and install signs and/or graphics as detailed on drawings and/or described in these specifications. Signs shall carry messages and images as specified in the owner furnished Sign Message Schedule and Signage Bid Table.

2.0 DEFINITION OF TERMS

2.1 DOCUMENTS

Refers to the drawings, specifications, sign message schedule, including all addendum and modifications incorporated therein before their execution. When applicable, additional appendages provided by Owner, or Owner’s Representative shall also become part of the contract documents.

2.2 OWNER

Shall refer to:
CITY OF GEORGETOWN
Contact: Terry Jones, Support Services Director
P.O. Box 409
Georgetown, TX  78627
Tel:   512-930-3648

2.3 GRAPHICS DESIGNER

Shall refer to:
BABENDURE DESIGN GROUP
Contact: Heather Chandler
4311 Oak Lawn, Suite 200
Dallas, Texas  75219
Tel:   214.265.1960
Fax:  214.979.9053

2.4 SIGNAGE CONTRACTOR / FABRICATOR

Refers to the group(s), firm(s), or corporation(s) designated as such in an Agreement with the Owner or designated representative of the Owner (such as Owner’s Representative, or others), and shall apply to any such group(s) under contractual obligation to perform any fabrication, installation, finishing, printing or other work related to the signs and graphics, as referenced within this document.

2.5 WORK

As employed herein, includes any material, equipment, construction, labor, installation, service or maintenance, and warranties required to complete the fabrication prescribed in these specifications and contract documents. This shall include, but not limited to, all of the sign types listed in the sign message schedule and drawings.

2.6 ADDENDUM

Covering changes, corrections, and special interpretations of the drawings and specifications, shall become a part of the documents.
2.7 SUBSTITUTIONS

When one or more than one product is specified and the Signage Contractor wishes to offer a substitute product which will completely accomplish the purpose of the contract documents. See Section 6.0 for the conditions governing all substitutions.

2.8 APPROVED, ACCEPTABLE OR SATISFACTORY

Shall be understood as approved by, acceptable with, or satisfactory to the Owner. Equal or satisfactory approved equal items and substitutions thereof shall be considered only prior to time of bid and must be clearly identified to Owner as such.

Where observed discrepancies occur between documents (drawings, schedules, or specifications) or within a document section, submit notice of same and assumption concerning same with proposal, and attached letter with proposal setting forth discrepancy and basis used in proposal. Thereafter, the item or arrangement of better quality, greater quantity, or higher cost shall be deemed included in the bid.

2.9 NOT IN CONTRACT (N.I.C.)

Refers to work not included in this contract.

2.10 FINAL COMPLETION

The date when the Owner finds the entire work as described in the contract documents, acceptable and fully performed, as written in the final certificate of payment.

3.0 GENERAL CONDITIONS

3.1 QUALITY ASSURANCE

The Signage Contractor shall be responsible for the quality of materials and workmanship required for the execution of this contract including the materials and workmanship of any firms or individuals who act as his sub-contractors.

It is intended that the work described in these documents be of sound, quality construction. The Signage Contractor shall be solely responsible for the inclusion of adequate amounts to cover installation of all items indicated, described and/or implied.

3.2 COMMENCEMENT

The work described in these documents shall only begin when an Owner-authorized, written subcontract has been issued to the Signage Contractor with instructions to proceed, provided other requirements have been met.

3.3 CONTRACT ADMINISTRATION

Reviewing the quality and progress of the work and submittals received from the Signage Contractor, the Owner has no responsibility to assist the Signage Contractor in the supervision or performance of the work. No action by the Owner shall in any way relieve the Signage Contractor from his responsibility for the performance of the work in accordance with the contract documents, or give rise to any negligence or other action against the Owner or anyone acting for or on behalf of them.

Signage Contractor shall allow Owner’s Representative or an authorized representative complete access to his plant, excluding such areas or processes judged by the Signage Contractor to be of a highly secretive or proprietary nature,
for the purpose of inspecting production techniques, materials, or other items related to the manufacturing of which the Owner is committed, or which may be contemplated.

Upon notification from the Signage Contractor that all work is complete, the owner will inspect the final installation for compliance with all approved documents.

3.4 RETAINAGE

Refer to the provisions and conditions governing retainers as provided in the contract documents of the Owner. All payments and invoices shall be submitted to the Owner for initial approval. The Owner will review all invoices for accuracy and completion of work.

3.5 EXTENSIONS

The conditions of such extensions will be regulated by the provisions in the contract documents of the Owner.

A. The following represents the Owner’s standard extension policy, which may or may not be in accordance with the Owner’s requirements:

1. In consideration for an extension in the time required to perform the work as specifically outlined in the contract, the Signage Contractor must furnish such justification and supporting evidence as the Owner and/or Graphic Designer may deem necessary.

2. All claims for extensions of time shall be made in writing and submitted to the Owner within three (3) days of the first instance of the delay. The Signage Contractor shall provide a written estimate of the probable effect of such delay on the progress of work.

3. Should the Owner find that the Signage Contractor is entitled to any extension in the time allowed for completion of work, the Graphic Designer’s determination upon the total number of days to be extended shall be based upon the currently approved schedule and all data relevant to the extension. Such data will be incorporated into the schedule as a revision thereto.

B. Subject to other provisions of the contract, the Signage Contractor may be entitled to an extension (but no increase in the contract sum) for delays arising from unforeseeable causes beyond the control and without the fault or negligence of the Signage Contractor or his subcontractors as follows:

1. Labor disputes and strikes (including strikes affecting transportation) that do, in fact, directly and critically affect the progress of the work. However, an extension on account of an individual labor strike shall not exceed the number of calendar days of said strike.

2. Acts of God, tornado, fire, hurricane, blizzard, earthquake, typhoon or flood that damage completed work or stored materials.

3. Abnormal inclement weather. However, an extension will not be considered as a result of adverse weather conditions reasonably anticipated.

3.6 PENALTIES

The Owner’s contract and conditions of the project shall regulate the penalty clauses.

3.7 ARTWORK

Provided for spacing only. The Signage Contractor will produce artwork for all symbols and lettering, and will submit to the Owner for review and approval prior to fabrication. Artwork for specific items and logos, as noted in the drawing document, shall be provided by the Owner. All other artwork, as well as final artwork for fabrication
(including reproducible film positives) is to be provided by the Signage Contractor.

The Signage Contractor may be required to refine said artwork for sake of reproduction. All special dyes prepared for graphic items shall become the property of the Owner and are not to be used further without written permission.

3.8 OTHER

Field dimensions shall be taken by the Signage Contractor prior to preparation of shop drawings and fabrication where possible. Allow time for trimming and fitting wherever the taking of field measurements before fabrication might delay work.

All supplementary parts necessary to complete each item shall be furnished by the Signage Contractor, even though such parts are not definitely shown or specified. All anchors and other fasteners for securing work to the construction shall be included.

4.0 SIGNAGE CONTRACTOR RESPONSIBILITIES

4.1 DESIGN RESPONSIBILITY

The graphic design requirements shown by the details on the sign type drawing documents are for design intent only and intended to establish basic dimensions of units or modules, profiles and sight lines of members, and appearance. Within these limitations, the Signage Contractor is responsible for fabrication of the entire system, and to make whatever modifications of, and additions to the details as may be required. Maintain the visual design concept as shown, including members sizes, profiles and alignment of components as accurately as possible.

The Signage Contractor shall supplement the general design shown with detailed shop drawings for the Owner’s approval. The shop drawings shall include major aspects of the system proposed, such as sections, shapes and connections of components and joints, how temperature movement is handled, venting, and anchorage to structure.

4.2 STATEMENT OF APPLICATION

The Signage Contractor, by commencing the work of the project, assumes overall responsibility, as a part of his warranty of the work, to assure that all assembled components and parts shown or required within the work of this project comply with the contract documents. The Signage Contractor shall further warrant:

A. That all components specified, or required, to satisfactorily complete the installation, are compatible with each other and with the conditions of installation and expected use;

B. The overall effective integration and correctness of individual parts and the whole of the system;

C. Compatibility with adjoining substrate, materials and work by other trades;

D. There shall be no premature material failure due to improper design or fabrication of the system. All materials are to fully perform to their normal life expectancy.

4.3 EXECUTION

The Signage Contractor shall be responsible for all work done under his contract, including:

A. Faulty or improper work of subcontractor(s) and others under him by contract or otherwise;

B. Diligent execution of work and giving his personal attention and supervision to same until completed;

C. All delays caused by neglect on his part or of those under him by contract or otherwise;
D. Compliance with all laws, ordinances and regulations bearing on the conduct of the work as drawn and specified.

E. Obtaining, at his own cost, inspection certificates which may be required of the project by local authorities, or any other governing body. The Signage Contractor shall procure and pay for all permits, licenses and approvals necessary for the execution of the work.

4.4 SUBMITTALS

By the approval and submission of shop drawings and samples, the Signage Contractor thereby represents that he has determined and verified all field measurements, field construction criteria, materials, catalogue numbers and similar data or will do so, and that he has checked and coordinated each shop drawing and sample with the requirements of the work and the contract documents. Refer to Section 5.0 for a list of required submittals.

4.5 SPECIAL INSTRUCTIONS

Halt the graphics work when notified of a proposed change, or if unsatisfactory results are anticipated. Notify the Owner immediately and proceed only after receiving additional instructions from the Owner.

4.6 ACTS AND OMISSIONS

The Signage Contractor is responsible for having free access to the premises for the purpose of acquainting himself with the conditions, delivering furnishings and equipment and performing the work under this contract. He should cooperate with the separate contractors who may currently be working on the premises, integrating the work with that of others, all to the best interest of the project and its orderly completion. Damages to the building contents, when such damages result from the use of faulty materials or negligent workmanship, shall be the responsibility of the Signage Contractor.

4.7 PROTECTION AND HANDLING OF PRODUCTS

Store all graphic items under cover and off the ground. Handle in such a manner so as to protect surfaces and to prevent damage during storage, installation, and throughout remaining construction. Protect exposed finishes by covering with adhesive paper or other suitable covering where adhesive is not appropriate for finish material. Apply covering prior to shipment from the fabricating or finishing shop. Covering shall not adversely affect finish. Remove protective coverings when there is no longer any danger of damage to the graphics work from other work yet to be performed.

4.8 SHIPPING AND TRANSPORTATION

Signage Contractor will be responsible for proper shipping and transportation of all signage to the job site and will specify whether it will be common carrier or on his own trucks. Fabricator will be liable for all damage incurred during shipping and loss of time in the installation schedule.

4.9 STORAGE OF EQUIPMENT

Space for storage of material prior to installation will be designated by the Owner. The Signage Contractor must give advance notice of deliveries and space requirement so that proper provision may be made. If deliveries are to be made to the premise at times other than normal working hours, the Signage Contractor will be required to reimburse Owner for any overtime costs incurred by the Owner.

4.10 WARRANTY

Upon final completion, the Signage Contractor will warrant all work and materials to be in full and complete accordance with the contract documents and agreement between Owner and Signage Contractor, and requirements appertaining thereto; that all work and materials are free from any and all defects and imperfections, and fully
meet the manufacturer’s published performance criteria for the use and purposes for which each and every part is specified.

The Signage Contractor also agrees that, should any defect develop or appear, which the Owner finds was not caused by improper use, the Signage Contractor shall promptly, upon demand, fully correct, substitute and make good any such defective material without any cost to the Owner and will save the Owner harmless against any claim, demand, loss or damage by reason of any breach of this warranty.

The period of this warranty shall commence on the date on which the Owner determines the Signage Contractor has met all Final Completion requirements. The period of said warranty shall last twelve (12) months unless otherwise specified.

5.0 SUBMITTALS

All submittals and shop drawings are to be delivered to the Owner for distribution.

5.1 SCHEDULE

A detailed graphic schedule by phases of production and installation is to be submitted by the successful bidder no later than five (5) days upon signing of the contract.

5.2 SAMPLES

Submit (3) 3” x 3” samples of each color and finish of exposed materials and accessories, or final material substrate to be used in the project. They are as follows:

<table>
<thead>
<tr>
<th>Paint</th>
<th>Color</th>
<th>Manufacturer</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-1 Red</td>
<td>Matthews</td>
<td>14A-1A</td>
<td></td>
</tr>
<tr>
<td>P-2 Cream</td>
<td>Matthews</td>
<td>39A-2P</td>
<td></td>
</tr>
<tr>
<td>P-3 Blue</td>
<td>Matthews</td>
<td>73B-4D</td>
<td></td>
</tr>
<tr>
<td>P-4 Dark Blue</td>
<td>Matthews</td>
<td>74A-1A</td>
<td></td>
</tr>
<tr>
<td>P-5 Black</td>
<td>Sherwin Williams</td>
<td>Chemical coating #F63RXB118674387, 40% Gloss. For information, contact the Sherwin Williams store in Cicero, IL at 708.482.8131.</td>
<td></td>
</tr>
<tr>
<td>P-6 Brown</td>
<td>Matthews</td>
<td>25B-3D</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vinyl</th>
<th>Reflective White</th>
<th>3M</th>
<th>680-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>V-2 Reflective Blue</td>
<td>3M</td>
<td>680-75</td>
<td></td>
</tr>
<tr>
<td>V-3 Black</td>
<td>3M</td>
<td>7725-22</td>
<td></td>
</tr>
<tr>
<td>V-4 Reflective Diamond Red</td>
<td>3M</td>
<td>3872 Red</td>
<td></td>
</tr>
<tr>
<td>V-5 Reflective Diamond White</td>
<td>MUTCD</td>
<td>3970G White</td>
<td></td>
</tr>
</tbody>
</table>

5.3 SHOP DRAWINGS

Submit one (1) reproducible copy of shop drawings in ledger format (11” x 17”), for the manufacturing, fabrication and erection of signs and graphic work at large scale. Show joints, anchorage, accessory items, and finishes.

A. Acceptance of shop drawings does not in any way change the documents. Documents may only be changed in writing.
B. The Signage Contractor is responsible for reviewing shop drawings for conformance with the documents and notifying, in writing, the Owner of any variation from the documents.

C. Changes to the shop drawings are to be made by the Signage Contractor as directed by the Graphic Designer.

5.4 COPY LAYOUTS

Copy layouts are to be provided for each sign type. Submit full-scale drawings of typical sign faces showing copy layout. Half-scale drawings will be sufficient for sign faces 40” x 40” and larger. For multiple-message sign types, a typical of each variation to the original layout should be provided.

5.5 MANUFACTURER’S DATA

Submit one (1) copy of the manufacturer’s printed specifications, anchorage details and installation, and maintenance instructions for products to be used in the fabrication of signs and graphics work.

6.0 SUBSTITUTIONS

6.1 Any substitutions requested after the award of the contract will be considered only under these cases:

A. When the specified product is not available;

B. When a certain product or process is specified, a warranty of performance is required, and, in the judgement of the Signage Contractor, the specified product or process will not produce the desired results.

C. When such substitution, is in the best interest of the Owner.

6.2 Request for substitutions of products, materials or processes other than those specified will be accompanied by the evidence that the proposed substitution,

A. Is equal in quality and serviceability to the specified item;

B. Will not entail changes in details and construction of related work;

C. Will be acceptable in consideration of the required design and artistic effect;

D. Will provide a cost advantage to the Owner.

The Signage Contractor shall furnish with his request such drawings, specification samples, performance data and other information as may be required of him to assist the Owner in determining whether the proposed substitution is acceptable. The burden of proof shall be upon the Signage Contractor.

6.3 Regardless of the evidence submitted or any review or independent investigation by the Owner, a request for a substitution of products, materials, or processes is a warranty by the Signage Contractor to the Owner that the requested substitution,

A. Is equal in quality and serviceability to the specified item;

B. Will not entail changes in details and construction of related work;

C. Will be acceptable in consideration of the required design and artistic effect;

D. Will not involve any change in cost to the Owner other than that specified in an accompanying request for
a change order.

6.4 Proposed substitutions will be made within five (5) days after the award of the contract, except when circumstances are beyond the Signage Contractor’s control. Submit requests for substitutions to the Graphic Designer in writing, giving sufficient information and samples for evaluation with the difference in costs, if any. Substitution must be approved in writing by the Owner before they may be used.

7.0 FABRICATION

Shop fabrication and tolerances shall conform to the standards of the industry. All items shall be shop fabricated so far as practicable. Perform high-quality, professional workmanship. Attach materials with sufficient strength, number and spacing not to fail until materials joined are broken or permanently deformed. Fabricate all work to be truly straight, plumb, level and square and to sizes, shapes and profiles indicated on the approved shop drawings.

7.1 SHOP ASSEMBLY

Preassemble items in shop to greatest extent possible to minimize field splicing and assembly. Disassemble units only as necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation.

7.2 WELDING

All welding procedures shall conform to applicable AWS specifications. All welds shall develop capacity of members being joined unless specific length or extent is noted on the drawings. Type of alloy filler metal and electrodes to be that which is recommended by producer of the metal to be welded, and as required for color match, strength and compatibility in the fabricated items.

7.3 FLATNESS OF PANELS

Panels shall show no visual distortion when viewed in installed position. All panel faces shall be of such flatness that when measured, the maximum slope of the surface at point, measured from the nominal plane of the surface, shall not exceed 1.0%. Any panel not meeting these requirements is subject to rejection by the Graphic Designer.

7.4 WIND LOADING

Exterior signs shall be designed to withstand wind pressure loadings of 30 psf (146.5 kg/sq.m) on the gross area of the exposed units, acting in all directions or to meet and/or exceed all applicable codes, whichever is greater. The Signage Contractor will not be required to have structural elements of exterior signs stamped by an engineer. Standard and approved methods of fabrication will be required by the Owner.

7.5 THERMAL MOVEMENT

Design, fabricate and install component parts to provide for expansion and contraction over a temperature range for the material of 150 degrees Fahrenheit (83.3 degrees Celsius), without buckling, sealant joint failure, glass breakage, undue stress on members or anchors, and other detrimental effect.

7.6 WROUGHT WORK

Wrought work shall be leveled and straightened. Members shall have sharp lines and angles and smooth surfaces. Extruded members shall be free from extrusion marks. Square turns and corners shall be sharp. Curves shall be true.
7.7 CASTINGS

Castings shall have fine, even texture and shall be un-warped and sound. Lines and meters shall be sharp, arises unbroken, profiles accurate and ornament true to pattern. Plane surfaces shall be smooth. Ornament shall not have excess material or imperfections that obscure design, undercut to restore detail. Filed or cut areas shall have texture restored.

7.8 CORROSION PROTECTION

Coat concealed metal surfaces which will be in direct contact with concrete, masonry, wood or dissimilar metals, in exterior work, and work to be built into exterior and below grade walls and decks, with a heavy coat of bituminous paint. Do not extend coating onto exposed surfaces.

7.9 METRIC CONVERSION

Stock or standardized materials sized in metric and not equivalent to U.S. standard may be provided if approved.

7.10 OTHER

Holes for bolts and screws shall be drilled. Parts to receive hardware shall be countersunk. Fasteners shall be of basic metal and alloy, matching finished color and texture as the metal being fastened, unless otherwise indicated. There shall be no exposed fasteners; all fasteners shall be concealed. Exposed ends and edges shall be milled smooth, with corners slightly rounded. Joints exposed to weather shall be formed to exclude water.

Design components to allow for expansion and contraction for a minimum material temperature range of 150 degrees Fahrenheit, without causing buckling, excessive opening of joints or over-stressing of welds and fasteners. Joints shall be fastened flush to conceal reinforcement, or welded where thickness of section permits. Contact surfaces of connected members shall be ground true. Parts shall be so assembled that joints will be tight and practically unnoticeable, without use of filling compound.

Form work to the required shapes and sizes, with true curves, lines and angles. Provide necessary rebates lugs and brackets for assembly of units. Use concealed fasteners wherever possible. Plates for mounting hardware shall be welded in place.

8.0 INSTALLATION

The installation of fixed material shall be under the general direction of the Owner in accordance with applicable specifications and layout drawings.

8.1 PREPARATION

Coordinate setting drawings, diagrams, templates, instructions and directions for the installation of items having integral anchors which are to be embedded in concrete or masonry construction. Coordinate delivery of such items to applicable trades for installation.

8.2 DELIVERY TO PREMISE

Unless indicated to the contrary, items of loose material shall be delivered, uncrated, assembled, set in proper place and installed ready for use, free from breakage, blemishes or other defects.

8.3 INSPECTION

Examine the substrate and the conditions under which the materials are to be installed. Do not proceed with the work
until unsatisfactory conditions detrimental to the timely and proper completion of the work have been corrected.

8.4 ANCHORS AND INSERTS

Furnish inserts and anchoring devices which must be set in concrete or built into masonry for installation of this work. Provide setting drawings, templates, instructions and directions for installation of anchorage devices. Provide toothed steel or lead shield expansion bolt devices for drilled-in-place anchors and inserts for exterior installation. Provide units with exposed surfaces matching the texture and finish of metal item anchored.

8.5 CUTTING, FITTING AND PLACEMENT

Perform all cutting, drilling and fitting required for installation. Set the work accurately in location, alignment and elevation, plumb, level and true, measured from established lines and levels. Provide temporary bracing or anchors as required.

Form tight joints with exposed connection accurately fitted with uniform reveals and spaces for sealants and joint fillers. Where cutting, welding and grinding are required for proper shop fitting and jointing of the work, restore finishes to eliminate any evidence of such corrective work.

Do not cut or abrade finishes which cannot be completely restored in the field. Return items with such finishes to the shop for required alterations, followed by complete refinishing or provide new units at Signage Contractor's option.

8.6 ERECTION

All surfaces shall be covered with protective cover non-deleterious to finish for protection until final installation or erection. Complete all connections in proper alignment and tighten bolts securely. Leveling is to be done only by instruments; measuring equal distances from existing building surfaces will not be acceptable as a basis of level and/or plumb. After erection, all surfaces marred during erection and exposed bolts, bolt heads, etc., shall be retouched with the same paint used previously.

8.7 ELECTRICAL

All electrical lighting and power devices contained within or upon signage devices which are usually included as part of the illumination system of that device such as lamps, sockets, internal wiring, etc. Additionally, the Signage Contractor is responsible for electrical connection only of signage items. Power distribution to required locations shall be the responsibility of the Owner or his designated agent unless otherwise specifically noted on the drawings.

8.8 PROTECTIVE COVERINGS

Restore protective coverings which have been damaged during shipment or installation of the work. Remove protection when requested for inspection of finishes and replace. Retain protective coverings intact and remove simultaneously from similar finished items to preclude non-uniform oxidation and discoloration. Remove protective coverings only when there is no possibility of damage from other work yet to be performed at the same location.

8.9 CLEANING OF PREMISES

The Signage Contractor shall use special care in the disposition of excess materials and rubbish. Rubbish shall not be allowed to accumulate but shall be consistently collected and removed at the completion of this work, on a daily basis.

Storage for paint materials, preparation and mixing, shall be in well lit and ventilated central location but shall not be allowed on finished or carpeted flooring. Ample protection by means of drop cloths or layers of paper must be provided for existing apparatus or parts of the building.

Adequate safeguards shall be provided against fire by placing oils, rags and waste in self-closing metal receptacles and
shall be removed from the work and storage area at the end of each work shift. Under no circumstances will they be allowed to accumulate.

9.0 MATERIALS AND FINISHES

9.1 ALUMINUM

Aluminum used for exposed structural elements shall be T-5 mill aluminum, thickness as shown on the drawings. Aluminum used for concealed framing of signage shall be 6063 T-5 alloy with mill finish.

9.1.1 EXTRUSIONS

Shapes and thicknesses as shown and as required to fulfill requirements, but not less than 1/8” (3.2 mm) thick, unless otherwise shown. Suitable alloy and temper for extruding with adequate structural characteristics and suitable for finishing as specified.

9.1.2 SHEETS AND PLATES

Sizes and minimum gauges as shown and as required to fulfill performance requirements. Suitable alloy and temper for forming and fabrication requirements with adequate temper and structural characteristics and suitable for finishing as specified.

9.1.3 CASTINGS

ASTM-B-26 or B-108, alloy 214 for natural anodized finish, and alloy 43 for color anodized or baked enamel finish.

9.1.4 FINISHING

Aluminum finishes shall be acrylic polyurethane two-part catalyzed coating system. All coating applications shall be prepared and spray applied in the factory by skilled mechanics. All surfaces shall be mechanically sanded removing all grain lines, striations, and surface blemishes, cleaned with non-abrasive scouring pads, rinsed, and air-dried prior to receiving coatings.

A. Coatings shall be prepared as designated by manufacturers latest literature for surface preparation and application but in no case less than one (1) applicable primer coat and two (2) final full coats. All finished surfaces shall be uniform.

B. Colors shall match color designations as indicated on the drawings.

9.1.5 ANODIZING

Exterior Application: For a clear anodized (natural) finish use AA-M21C22A41 with a minimum 0.7 mil (0.02 mm). For a color anodized finish use AA-M21C22A42 with a minimum 0.7 mil (0.02 mm) to match samples provided by Graphic Designer.

Interior Application: For a clear anodized (natural) finish use AA-M21C22A31 with a minimum 0.4 mil (0.01 mm). For a color anodized finish use AA-M21C22A32 with a minimum 0.4 mil (0.01 mm) to match samples provided by Graphic Designer.

9.2 CONCRETE
9.2.1 REFERENCE STANDARDS

Strictly comply with the following referenced standards: ACI 318, ACI 614, ACI 306, ACI 347, ACI 315, ACI 302 and CRSI Manual of Standard Practice.

9.2.2 PORTLAND CEMENT CONCRETE

Comply with ASTM C94. Proportion mixes in compliance with ACI 301. Provide concrete having minimum 3000 psi compressive strength at 28 days, 3” to 4” slump, 4% to 6% entrained air for concrete exposed to freezing and 2% to 4% for all other concrete, and minimum 5.5 sacks of cement per cubic yard of concrete.

9.2.3 REINFORCING

Provide ASTM A615, Grade 60, new, deformed rebars. Provide ASTM A185, new, rectangular welded wire fabric.

9.2.4 FORMWORK

Contractor’s option, but shall be suitable to provide straight, flat, accurately aligned surfaces within specified tolerances.

9.2.5 INSTALLATION

Securely construct and brace formwork to provide concrete members and structures of sizes, shapes, elevations, profiles, alignments, and positions indicated within specified tolerances. Place and tie reinforcing in position and secure against displacement.

9.2.6 FINISHING

Steel trowel slab surfaces to provide hard, slick, smooth, uniform planes within specified tolerances. Do not add cement, sand, water or mortar to slab surfaces.

9.3 GATORBOARD FRP

Flame retardant panel with the following minimum performance requirements.

9.3.1 PHYSICAL PROPERTIES

Standard Size: 48” x 96”

Thickness: H” and I”

Density: (H”) 23-24 PCF and (I”) 19-21 PCF

9.3.2 TYPICAL PHYSICAL PROPERTIES (BASED ON H” THICKNESS)

Internal Bond: 12-14 psi (typical value for the core)

Modulus or Elasticity: 280,000 psi approximately

Modulus of Rupture: 1,900 psi approximately

Compressive Strength: 60 psi at 10% deformation

A. Hardness Combustibility: Flamespread @ less than 25 (class A), Fuat Contributed @ 15, and Smoke Density @ less than 50

B. Machinability: May be used with most types of woodworking equipment. However, special care must be taken when sawing as chip-out may occur.
Thickenes: #1/16”

Squareness: #3/16”

A. Straightness: Within J” when comparing the two diagonal measurements between opposite corners or the panel.

B. Wrap: No manufacturing set. Wrap or curl greater than H”.

9.3.3 PAINTING

Any water-based or solvent-based materials can be used on faces or edges. However, to maintain a Class“A” flamespread, a coating classified as “Fire Retardant” by Underwriters Laboratories, Inc., is recommended.

9.3.4 MANUFACTURER

International Paper
Uniwood Division
Taylorsville Road
Statesville, NC

9.4 ROUGH CARPENTRY

9.4.1 LUMBER

Provide Construction Grade or No. 2 Grade lumber complying with PS 20.

A. Decay Treated: Provide above ground lumber in contact with roofing, flashing, sheet metal, masonry concrete, damp-proofing and waterproofing that is pressure-treated with waterborne preservatives complying with AWPB LP-2 and AWPA C2. Dry lumber to maximum moisture content of 19% after treatment.

B. Fire-Retardant Treated: For all interior blocking, provide lumber which is UL labeled fire-retardant FR-S. Dry lumber to maximum moisture content of 19% after treatment.

9.4.2 PLYWOOD

Provide APA trademarked Exposure 1 C-D veneer performance rated plywood panels with span rating for span indicated if thickness is not shown. Provide UL listed Class A fire-retardant treated plywood for telephone and electrical mounting panels and all interior plywood.

9.4.3 PLYWOOD BACKING PANELS

Provide APA trademarked, UL labeled, fire-retardant treated, C-D Plugged Exposure 2 panels not less than 3/8” thick and complying with PS 1. Provide treatment that yields a flame spread rating of not more than 25 when tested according to ASTM E84.

9.4.4 FASTENERS

Provide nails, screws, and fasteners appropriate for intended use.
9.4.5 **WOOD FOR PAINT FINISH**

Provide Pine or Poplar interior door frames, miscellaneous wood and moldings complying with AWI Premium Grade requirements. Provide solid stock; glued pieces and finger-jointed pieces are not acceptable. Provide tempered hardboard pegboard with four assorted hangers for each square foot of pegboard area.

9.5 **SIGN FOAM**

9.5.1 **CHEMICAL PROPERTIES**

Polyether Polyurethane

9.5.2 **STRENGTH**

Sign Foam exhibits an excellent strength to weight ratio because of its high strength polymer and cellular structure.

9.5.3 **DURABILITY**

Sign foam is very stable. It will not corrode and it is closed cell and impervious to organic decay. It is closed cell and waterproof. Note: Sign Foam is sensitive to ultraviolet light and should always be properly finished with an opaque paint.

9.5.4 **CHARACTERISTICS AND FINISHING PROPERTIES**

Fabrication and finishing techniques of Sign Foam are similar to those of wood products.

9.5.5 **FIRE RETARDANT**

Precautions similar to those used for protecting wood products from fire should be followed. Although much less flammable than wood or acrylics, Sign Foam will only char on the outside surface and will not melt. Note: For projects requiring thorough documentation of Sign Foam’s testing performance, such as governmental projects, information is available from Sign Arts upon request.

9.5.6 **APPROVED SUPPLIER OR EQUAL**

Southeastern Sign Supply, 6003 Chapel Hill Road, Suite 177, Raleigh, NC 27607, (800) 283-1722.

9.6 **STAINLESS STEEL**

9.6.1 **ALLOYS**

Provide alloys 302 or 304 established by American Iron and Steel Institute (AISI) unless shown otherwise. In addition, comply with the following requirements:

A. Extrusions: ASTM A 167
B. Bar Stock: ASTM A 267
C. Plate: ASTM A 167
D. Tubing: ASTM A 269
E. Castings: ASTM A 296, iron-chromium-nickel alloy

9.6.2 **FINISHES**

Unless otherwise shown or specified, provide stainless steel finishes to match Owner approved samples, and as follows (AISI designations):
A. Matte: No. 2D
B. Directional/Bright: No. 4
C. Directional/Satin: No. 6
D. Directional/Highly Reflective: No. 7
E. Non-directional/Mirror Reflective: No. 8

9.7 STEEL

9.7.1 MATERIALS

Structural Steel Shapes and Plates: ASTM A 36
Steel Plate for Cold Forming: ASTM A 283, Grade C
Hot Rolled Steel Bars: ASTM A 108, Grade as selected by fabricator.
Steel Pipe: ASTM A 53, Type E, F or S, at fabricator’s option, Grade A, black finished unless shown as
galvanized, standard weight (Schedule 40) unless otherwise shown or specified.
Hot-Formed Rectangular Steel Tubing: ASTM A butt welded, cold finished and stress relieved.
Cold-Drawn Steel Tubing: ASTM A 512, sunk drawn, butt welded, cold finished and stress relieved.
Steel Sheet for Cold Forming: ASTM A 569, hot-rolled sheet steel of commercial quality, pickled and oiled, free of
defects which would impair the work.
Galvanized Steel Sheet: ASTM A 526, commercial quality.

9.7.2 FINISHES

Chrome Plated: ASTM B 456, Type SC-2 over a coating of copper and nickel. Provide a bright polished finish unless
otherwise shown.
Primer: Provide one of the following, unless steel indicated to receive galvanized finish:
   A. Dimetcote No. 4, Amercote Corporation
   B. Tnemec Zinc 92, Tnemec Company
   C. Carbo Zinc II, Carboline Company

Baked Enamel Finish: Provide manufacturer’s standard baked acrylic enamel finish, in colors specified by the
Graphic Designer.

9.8 STONEWORK

The stonework requirements shown by the details are intended to establish basic dimensions of units or modules,
profiles, and sight lines. Within these limitations, the Signage Contractor is responsible for maintaining the visual
design concept as shown, for the entire stonework system and to make whatever modifications of, and additions to,
the details as may be required to fulfill the performance requirements.
Design and erection of stonework shall comply with the requirements of all governing codes and regulatory agencies.

9.8.1 FABRICATION

A. Allow for expansion and contraction within the limits of the joint material when cutting for anchorage devices.

B. Provide greater stone thicknesses than shown where thickness shown is insufficient for the sizes of where extent of cut-outs shown decreases effective strength of the remaining material, or for proper and sufficient anchorage, suitable and adequate bearing areas or surfaces.

C. The use of lines properly sized and secured to stone facing will be permitted only where shown on construction and final shop drawings.

D. Do not use stone units with chips, cracks, voids, stains or other defects which might be visible in the finished work.

E. Where open space between back of stone units and back-up or framing is shown, keep cavity open; do not fill with mortar or grout. Provide weep holes as shown or as detailed on final shop drawings.

F. Make joint widths, unless otherwise shown as follows: for exterior facing and coping, \( \frac{3}{16} \)”, and exterior paving, \( \frac{1}{4} \)”.

G. Immediately after initial cleaning of stone floors, counters and other horizontal installation, seal stone with weatherproof seal. At final cleaning, remove any accumulation of stains, dust, dirt and any other defects. Apply a final coat of weatherproof seal. Use one of the following, or approved equal:

1. Prosoco
2. HMK

9.8.2 INSTALLATION

A. Stonework should be executed by skilled mechanics, and employ skilled stone fitters at the site for necessary field cutting as stone is set.

B. Where stonework will contact ferrous metal surfaces, apply a heavy coat of bituminous paint on metal surfaces, prior to setting stone. Do not apply coating to stainless steel or non-ferrous metals.

10.0 MISCELLANEOUS PRODUCTS

10.1 ADHESIVES

10.1.1 FOAM TAPE

\( \frac{3}{16} \)” (1.6 mm) thick, double-faced, white pressure sensitive urethane foam adhesive tape, one of the following:

A. 3M Company: No. 4016 or AL4432YEAm9576

B. Spectape of Texas: No. ST1132
10.1.2 FILM TAPE

4 mil (0.1 mm) thick, double-faced pressure sensitive film tape, one of the following:

A. 3M Company: No. 415

B. Macbond: No. SB1786 or No. 0530-IS-0303-KA1100

10.1.3 SILICONE

FS TT-S-001543, Class A, one of the following:

A. General Electric: Silicone Sealant #1200

B. Dow Corning: Building Sealant #781

10.1.4 EPOXY

Two component thermosetting epoxy adhesive with 100% solids content, one of the following:

A. Miracle Adhesives: No. NP-428

B. Hughson Chemicals: Chemlok #304

10.2 SILKSCREEN INKS

All inks, paints and lacquers required for silkscreened or imprinted surfaces or other specified surfaces, shall be a type made for the surface material on which it is to be applied and recommended by the manufacturer of the ink or paint. Exact identification of all ink and paint shall be noted on the shop drawings, together with data describing the method of application and if other than “air”-dried drying. All silkscreen inks shall be made by a manufacturer with experience in production and consistency of such inks for the purposes and surfaces involved.

10.2.1 GENERAL REQUIREMENTS

All screen printing specified shall be executed from photo screens prepared from reproductions of the copy specified. The Signage Contractor shall submit full-size showings of foundry to be used to the Graphic Designer for approval. All above work is to be included in this contract. No hand-cut screens will be accepted.

Prime coats or other surface pre-treatment, where recommended by the manufacturer for inks, paints or lacquers, shall be included in the work (and noted on the shop drawings) as part of the finished surface work at no additional cost to the Owner.

All screen printing shall be executed in such a manner that all edges and corners of finished letterforms and graphic devices are true and clean. Letterforms with rounded positive or negative corners, edge build-up or bleeding, etc., will not be accepted.

No paint, ink or lacquer that will fade, discolor or delaminate as a result of proximity to UV light source or heat therefrom shall be used. All inks, paints and lacquers shall be evenly applied and without pinholes, scratches, orange peeling, application marks, etc. Rear-illuminated panels containing the above or other defects which cause light leaks in surface areas specified to be covered will not be accepted. Workmanship in connection with finishes and formations of letters and/or graphics shall conform to the standards of the trade and shall be acceptable to the Graphic Designer.
10.2.2 MANUFACTURERS

Provide silkscreen inks in colors and sheen as specified and manufactured by one of the following or approved equal:

Naz-Dar Company  
Chicago, Illinois

Wornow Products Department  
Dexter Corporation  
Industry, California

Colonial Printing Ink Company  
East Rutherford, New Jersey

10.3 VINYL

This specification defines basic materials and fabrication methods for markings/graphics to be used by the Signage Contractor for cut out graphics. No deviation from these specifications is permissible without the written approval of the Owner or Graphic Designer. The Signage Contractor shall certify that all markings/graphics conform to these specifications, and will be replaced without additional cost to the Owner if they fail to meet this requirement.

10.3.1 NON-REFLECTIVE

The marking film used shall be 3M ScotchCal™ brand film, series 220. The finished emblems shall be pre-masked.

10.3.2 REFLECTIVE

The marking film shall be 3M ScotchLite™ reflective sheeting, series 680, 580 or 480, or others as approved by the Owner or Graphic Designer. The Signage Contractor shall verify all City and State traffic codes for grade of reflective vinyl, and shall use high intensity vinyl when required by code. If the codes do not specify, then engineering grade vinyl is acceptable.

10.3.3 PRESSURE SENSITIVE

Cut vinyl to be 1.8 mil (0.89) thick, pre-spaced and pre-aligned on transfer paper. Provide vinyl graphics in colors and type styles shown.

10.3.4 LETTERFORMS

Size: Letterforms shall be as shown or indicated on the drawings, and shall be the only typography used. Letter size for the appropriate sign types shall be as shown on the drawings and graphic layouts. Alternate letterforms and letter size will not be accepted.

Spacing: Letter spacing shall be at the standard optical-spacing. Spacing between words shall equal the horizontal dimension of a lower-case “m” for the size of the copy being used. The Signage Contractor shall furnish to the Graphic Designer for approval, a full-size spacing pattern for each message specified. No work shall be executed from spacing patterns not approved by the Graphic Designer.

10.3.5 GENERAL REQUIREMENTS

A. Color, copy and logotype rendition shall be approved by Owner or Graphic Designer prior to production.

B. Graphics shall be weather-resistant and shall not be affected by oil, water, salt spray or alcohol.
C. Where specifically noted, provide reverse cut copy for application to glass. All other applications shall be “correct-reading” on the exterior of glass.

D. Size, colors and shape of markings to be fabricated in accordance with 3M Product Specs for each item. Marking shall be in accordance with 3M Instruction Bulletin No. 5.

E. All cut edges (i.e. laser, kiss cut, guillotined, etc.) shall be smooth and free of ragged areas.

F. Markings shall be packaged in substantial cartons which will protect against physical damage in shipping and handling and against dirt or moisture contamination.

10.4 SCOTCHPRINT®

10.4.1 APPLICATION

Follow 3M product bulletin and instruction bulletins in their entirety. Provide vinyl in colors, textures and patterns selected by Designer from industry available colors.

10.4.2 SCOTCHPRINT FILM SERIES 8620


10.4.3 SCOTCHPRINT FILM SERIES 8640


10.4.4 MANUFACTURING

Markings must be manufactured using materials and procedures described in the appropriate Product and Instruction Bulletins.

10.4.5 GRAPHICS INSTALLATION

Surface preparation and application of markings must use the materials, methods and tools described in the appropriate Product and Instruction Bulletins.

10.4.6 TECHNICAL ASSISTANCE

Any technical questions relating to the 3M products referred to in the specification should be directed to 3M Commercial Graphics Technical Service at 800-328-3908.
10.4.7 MANUFACTURERS

Vomela 800-240-9279
Ariston 800-526-4901
Wace 212-661-5600

10.5 PHENOLIC - FUSED GRAPHIC PANEL

10.5.1 DESCRIPTION

A solid phenolic-fused graphic panel with both UV a graffiti proof properties. It is manufactured with a smooth surface on both sides of a black phonolic core. These panels off phenomenal resistance to UV rays, humidity, frost, heat, corrosion and impact.

10.5.2 THICKNESS

1/4 inch (6.4 mm)

10.5.3 CONTACT

Folia Sun, www.folia.co.com or approved equal.

10.6 ORNAMENTAL POLES

Cast aluminum post and accessory system as manufactured by Sternberg Vintage Lighting, www.sternberg.com, or approved equal.

11.0 PAINTS AND COATINGS

11.1 ACRYLIC POLYURETHANE

11.1.1 GRIP GARD ®

Grip Gard ® approved automotive type paint systems manufactured by Akzo Wyandotte or approved equal. Signage Contractor shall be approved by the manufacturer for application of paint or coating system. Signage Contractor shall apply paint system strictly observing the manufacturer’s recommendations regarding application technique using internal mix conventional spray equipment. Apply as to achieve 100% coverage at the rate of 150 square feet per gallon or as manufacturer recommends.

Overall appearance must match specified color and pattern of submitted sample. Pattern and sheen should be uniform. If primer is visible through paint when inspected, paint coverage will be considered incomplete and disapproved by the Owner or Graphic Designer. Should the Owner or Graphic Designer disapprove of the applied coating, the Signage Contractor shall bear all costs to complete paint finish.

11.1.2 MATTHEWS

Matthews acrylic polyurethane enamels as manufactured by the Matthews Paint Company, or approved equal.

Contractor shall apply paint system strictly observing manufacturer’s recommendations regarding application and mixing. Apply as to achieve 100% coverage at a rate of 150 square fee per gallon or as manufacturer recommends.
11.2 **BITUMINOUS PAINT**

Cold-applied asphalt mastic for isolating dissimilar metals.

11.3 **PAINT ENAMELS**

Provide high quality sign lettering paints; colors to match those specified and applied per manufacturers instruction regarding application techniques. Apply to achieve 100% coverage at manufacturers recommended rate of coverage per gallon.

Use paints as manufactured by the following, or approved equal:

A. Ronan
B. Chromatic Paint
C. One-Shot Lettering Enamel

11.4 **POLYURETHANE ENAMEL**

Provide an aliphatic polyurethane enamel with ultraviolet inhibitors, lightfast, weather abrasions and wear resistant. Provide one of the following:

A. Chemglaze: Hughson Chemical Division, Lord Corporation
B. Imron: DuPont de Nemours & Company

11.5 **TNEMEC PAINT**

11.5.1 **REFERENCE STANDARDS**

Steel Structures Painting Council (SSPC)

A. SSPC-Vis 1 Pictorial Surface Preparation Standards for Painting Steel Structures
B. SSPC-SP2 Hand Tool Cleaning
C. SSPC-SP3 Power Tool Cleaning
D. SSPC-SP6 Commercial Blast Cleaning
E. SSPC-PA2 Measurement of Dry Paint Thickness with Magnetic Gauges

American Society for Testing and Materials (ASTM)

A. ASTM D 522 Mandrel Bend Test of Attached Organic Coating, Test Method B-Cylindrical Mandrel Test
B. ASTM B 117 Method of Salt Spray (Fog) Testing
C. ASTM D 4060 Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser
D. ASTM D 3359 Method for Measuring Adhesion by Tape Test
Federal Standards and Test Methods

A. Federal Specification TT-P-86d, Types I and II.

11.5.2 MATERIALS

Products manufactured by the Tnemec Company, Inc., P.O. Box 4112749, Kansas City, Missouri 64141, are used herein to establish quality and type. Products of other manufacturers may be submitted with supporting test data showing performance characteristics, which meet or exceed those standards set forth herein.

Shop Primer: 10-99 Tnemec Primer

11.5.3 FABRICATION PRIMING

Shop paint all steelwork using the following systems:

A. Surface Preparation: SSPC-SP6 Commercial Blast Cleaning
B. Application: Follow coating manufacturer's printed directions.
C. Material: 10-99 Tnemec Primer
D. Number of Coats: One
E. Dry Film Thickness: 2.0 mils minimum
F. Volume Solids: 55.0 ± 2.0% minimum

11.5.4 INSPECTION

Visually evaluate surface preparation by comparison with pictorial standards in accordance with SSPC-Vis 1. Measure dry film thickness with a magnetic film thickness gauge in accordance with SSPC-PA2. Visually inspect dried film for runs, sags, dry spray, overspray, imbedded particles and missed areas. Repair defective or damaged areas in accordance with Section 0.0.3 above.

11.5.5 STACKING AND SHIPPING

Keep primed steel off the ground by placing on wooden supports and keep members from touching each other by using wooden separators for stacking. Take measures to avoid damaging prime coat while stacking, loading or unloading and use wooden protectors to prevent damage from chain or cable cinches.

11.6 TRANSLUCENT COATING

Provide colors shown or selected by Graphic Designer by the following:

A. Grip-Flex: Wyandotte Paint Products Company or approved equal.

11.7 POWDER COATING

A non phosphate electrostatic color coating process.

Provide colors shown or selected by Graphic Designer by the following:

A. Akzo - Noblen or approved equal.
12.0 ELECTRICAL

The work covered by this section shall include all labor, equipment, supplies and materials necessary for the installation of the complete electrical system as shown or indicated on the accompanying plans and specified herein.

Electrical work shown or implied on the construction drawings, and discussions hereinafter shall include the purchase, fabrication, installation and connection of electrical apparatus for the appropriate signage elements as part of the Owner’s contract.

It is the intent of these documents that the entire electrical installation shall be complete in every respect and any minor items, omitted but obviously necessary to accomplish this intent, shall be furnished and installed.

12.1 CODES, REGULATIONS AND STANDARDS

All local fees, permits and services of inspection authorities shall be obtained and paid for by the Signage Contractor. The Signage Contractor shall cooperate fully with the local utility company with respect to their services.

The electrical installation shall be in compliance with the requirements of the latest edition of the National Electrical Code, O.S.H.A., and the rules and regulations of the power company supplying power to the building or facility.

The electrical installation and the Signage Contractor shall comply fully with all City, County, and State laws, ordinances and regulations applicable to electrical installations as identified by this contract.

It shall be understood during the bidding process that the power source for all electrified signs shall be 277 volts. (Owner to provide service information.)

It is the intent of these specifications to establish quality and performance standards of materials and equipment installed, hence, specific items are identified by manufacturer, trade name and catalog designation where possible. Should the Signage Contractor propose to furnish materials and equipment other than those specified as permitted by the “or approved equal” clauses, he shall submit as a separate request.

12.2 PROGRESS OF WORK

The Signage Contractor shall not do any cutting, channeling, chasing or drilling of unfinished masonry, tile, etc., unless he first obtains permission from the Owner or Owner’s Representative. If permission is granted, the Signage Contractor shall perform this work in a manner approved by the Owner or Owner’s Representative.

The work shall be carefully laid out in advance. Where cutting, channeling, chasing or drilling of floors, walls, partitions, ceilings or other surfaces is necessary for the proper installation, support, or anchorage of raceway, outlets or other electrical equipment, the work shall be carefully done. Any damage to the building, piping, equipment or any defaced finish plaster, woodwork or metal work shall be repaired by skilled mechanic of the trades involved at no additional cost to the Owner.

The Signage Contractor shall coordinate his work so as to conform to the progress of the work of other trades and shall complete the entire installation as soon as the condition of the building or project area will permit. Any cost resulting from defects or delay of work performed under this section shall be borne by the Signage Contractor.

The Signage Contractor shall keep a separate set of electrical drawings at the job site and record all changes and revisions in red color. At completion of the job, the Signage Contractor shall return all copies of the drawings, including all changes and revisions, to the Owner and Graphic Designer.

12.3 TRENCHING AND BACKFILLING

Verify locations of all existing structures and/or underground utilities prior to trenching and, if damaged by the Signage Contractor, replace immediately in an approved manner at no expense to the Owner.
The Signage Contractor shall be responsible for all trenching and backfilling in connection with the electrical work. Earth is to be backfilled in thin layers, compacting and tamping each layer in accordance with applicable requirements of site work division of the project specification. Exercise necessary caution such as removal of all rocks, debris, etc., from the bottom of the trench and from the backfill material so as to avoid damage to the wiring and/or conduit runs.

When trenching is done through specially treated areas, such as paving, paving tiles, black-top, etc., the Signage Contractor shall be responsible for restoring the surface to its original condition, and in a manner as approved by the Owner and the Owner’s Representative. Repair any trenches where settlement occurs, and restore the surface for the period of one (1) year after final acceptance of the work.

12.4 LIGHTING

Furnish and install all lighting equipment described in the specifications and shown on the drawings. Lighting equipment shall be installed complete, including suspensions of proper lengths, sockets, holders, reflectors, ballasts, lamps, etc., all wired, assembled and ready for operation. All fixtures should straight and true with reference to sign supporting structural members. Before final acceptance, adjust and direct all fixtures as instructed by the Graphic Designer.

All lighting fixtures shall bear the U.L. label for its application, be free of light leaks, warps and dents. When utilizing ballasts, they shall be designed and constructed so that the ballast case temperature will not exceed the U.L. 90° Centigrade limit in a 25° Centigrade ambient. All fixtures requiring internal illumination shall illuminate evenly without “hot spots”.

12.4.1 LED SPOTLAMPS

A commercial grade lamp with spherical diffuser with screw tight base as manufactured by Opti LED of North America, www.optiled.biz or approved equal.

12.5 GROUNDING

All electrical neutral conductors, raceways and non-current carrying parts of electrical equipment and associated enclosures shall be grounded in accordance with the National Electrical Code (N.E.C.). This shall include neutral conductors, conduits, supports, cabinets, boxes, ground buses, etc.

A. The neutral conductor shall be grounded at one (1) point only: its transformer ground source. The neutral ground source shall be the nearest continuous, metallic, cold water pipe within the building.

B. The neutral conductor shall be connected from the service to the neutral ground source by a continuous (unspliced) Class B stranded copper conductor installed in rigid conduit. The connection to the neutral ground source shall ground the conductor and associated conduit by means of a solderless connector approved for the purpose.

C. The neutral ground conductor shall follow the shortest path between the service and the neutral ground source. All contact surfaces shall be thoroughly cleaned prior to final connections. The connection to the neutral ground source shall be visible for inspection at all times. Where the cold water meter is provided, the meter shall be jumpered by bonding wraps of equal cross-sectional areas to the main ground conductor.

D. Provide a ¾” x 10’-0” driven ground rod(s) bonded to water piping system by No. 6 (minimum) bare copper conductors, and to the main distribution center in accordance with Paragraph 250-84 or the N.E.C.

E. An equipment grounding conductor with green colored identification, sized in accordance with Table 250-95 of the N.E.C. shall be installed in all flexible metallic conduit or any non-metallic raceway for the entire length of the system. The equipment ground conductor shall be connected to a separate equipment
ground bus in the circuit originating panel board, switchboard, etc. Connect ground wire to equipment ground terminal of all devices. Provide ground bonding jumper from grounding terminal of three (3) wire receptacles to outlet box where ground wire is not pulled.

12.6 RACEWAYS AND WIRING

All wiring shall be installed in conduit. Use corrosion resistant rigid steel with PVC coating or heavy wall PVC in earth or in slabs where slabs are in contact with earth. Provide rigid steel cells coated with PVC where PVC raceways are used. For conduit runs 2” in diameter and larger in earth or in slabs in contact with earth, P.V.C. raceways with 4” concrete envelopes may be used. Provide rigid PVC coated steel elbows and conduits for stub-ups above grade.

Direct burial runs may be installed where located outside the building, under asphalt paving, and under grass or bare earth where noted. Enclose conductors in rigid galvanized PVC, coated, or PVC conduit where runs enter outlet boxes, concrete pole bases, under concrete walks, or embedded in concrete slabs or masonry walls.

A. Conduit shall be of the size required by, and installed according to the N.E.C. Bends shall be made with approved hickey or conduit bending machine. Provide supports in accordance with N.E.C. requirements.

B. Maximum size conduit allowed in floor slabs above grade shall be 1” unless written permission is obtained from the Structural Engineer. All secondary conductors to be buried a minimum of 30” below finished grade. Provide 2” sand fill above and below conductors and install treated or redwood board.

C. Exposed conduit shall not be installed in finished areas. Exposed conduit may be installed at surface mounted equipment and at other locations approved by the Owner. All exposed conduit shall be run parallel to or at right angles to building lines.

D. In locations where mechanical damage may be incurred, or on roofs, corrosion resistant rigid steel or intermediate metal conduit shall be used except heavy wall aluminum may be used in dry locations where exposed. No aluminum conduit shall be used in walls or concrete. Electric metallic tubing or intermediate metal conduit may be used in all other applications.

E. Use approved type couplings and connectors in all conduit runs, and make all joints tight. Provide insulated bushings for all terminations in pipe sizes 1/2” and larger. Provide a premium quality metal casting type of compression gland coupling for all other concealed or exposed conduits. Set-secure type couplings will be permitted for exposed EMT conduits only. Provide expansion fittings and bonding conductors for all runs which cross building expansion joints. Provide waterproof fittings for all runs in wet locations, such as exposed to weather, buried in slabs, etc. Provide seal-off fittings where conduits enter or leave a hazardous area, or areas of widely different temperature and/or humidity. Fittings shall be as manufactured by one of the following:

1. O.Z.  
2. Tomic  
3. Raco  
4. Appleton  
5. Steel City  
6. I & B

F. No wire shall be installed until work which might cause damage to the conductors has been completed. Prior to pulling of the conductors, conduits shall be swabbed clean of all foreign matter, or replaced where such accumulation cannot be removed by approved methods.
12.7 IDENTIFICATION OF EQUIPMENT

Legible and complete wiring and circuitry diagrams, lamp sizes and wattage and any special operating or replacement instructions are to be provided on waterproof paper and firmly affixed to the interior of signage access panels. Identify all applicable circuits in branch circuit panel boards with a typewritten directory mounted behind clear plastic and fastened to inside of panel door.

12.8 INSPECTIONS, TESTS AND GUARANTEES

All work shall be subject to inspection by the Owner, the Owner’s Representative and the Graphic Designer at all times and in the event of questionable work, their decision will be final.

After the electrical installation is completed and at such times as the Owner or the D.C.D.O. may direct, the Signage Contractor shall conduct an operating test for approval. The installation shall be demonstrated to be in accordance with the requirements of this specification. Any defects revealed shall be corrected promptly and the test reconducted, at no additional cost to the Owner.

All electrical work and all items of equipment and materials shall be guaranteed for a period of one (1) year from the date of the final inspection and acceptance of the work. The Signage Contractor shall be notified in writing of any defective items and shall repair or replace such items promptly without cost to the Owner.
### Paint Colors

<table>
<thead>
<tr>
<th>Color</th>
<th>Paint Code</th>
<th>Color Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>P-1</td>
<td>P-2</td>
</tr>
<tr>
<td>Yellow</td>
<td>Ben. Moore</td>
<td>P-3</td>
</tr>
<tr>
<td>Bronze</td>
<td>HGC-5</td>
<td>P-4</td>
</tr>
<tr>
<td>White</td>
<td>P-5</td>
<td>P-6</td>
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<td>P-8</td>
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<td>P-11</td>
<td>P-12</td>
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### Exterior Grade Vinyl Colors

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<th>Reflective Color</th>
<th>Reflective Code</th>
<th>Reflective Code</th>
</tr>
</thead>
<tbody>
<tr>
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<td>3M 680-10</td>
<td>V-1</td>
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<tr>
<td>Blue</td>
<td>3M 680-75</td>
<td>V-2</td>
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<td>Green</td>
<td>3M 680-77</td>
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<td>Black</td>
<td>3M 680-85</td>
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<tr>
<td>Yellow</td>
<td>3M 680-71</td>
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<td>V-11</td>
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<tr>
<td></td>
<td></td>
<td>V-12</td>
</tr>
</tbody>
</table>

### Color Standards

This color family has been selected for the strong contrast between typographic elements and sign background.

Silkscreen ink colors are to match paint colors noted.

Paint finishes to be semi-gloss for all exterior signs and egg-shell for all interior signs.
Font Standards

This system contains type styles, selected for legibility and support of the Georgetown brand. Therefore, it is important to maintain these type styles throughout the system. **No substitutions for these fonts are allowed.**

Specific layouts and type styles are shown for the individual sign types in sections following.

ITC Franklin Gothic Std can be purchased from Adobe.com.

It is the responsibility of the Fabricator to purchase these fonts for use with this Master Plan.

Typography Standards

Type viewed from a distance is more legible if the letters are evenly spaced. The samples at left show correct and incorrect letterspacing and wordspacing for maximum readability.

Typical layouts for each individual sign type are shown in sections following.

---

Abcdefghijklmnopqrstuvwxyz

Abcdefghijklmnopqrstuvwxyz

Abcdefghijklmnopqrstuvwxyz

Abcdefghijklmnopqrstuvwxyz

I TC Franklin Gothic Std - Demi Condensed

I TC Franklin Gothic Std - Medium Condensed
Symbol Standards

These symbols should be used throughout the system.

For visual reference ONLY. Do not reproduce for signage purposes.

A digital file of this shell artwork can be found on the accompanying Artwork Disc in the “Standards” folder as “Symbols.”

Additional symbols can be found in the Manual on Uniform Traffic Control Devices (MUTCD).

Refer to http://mutcd.fhwa.dot.gov for more information.
Symbol Standards (Cont.)

These symbols should be used throughout the system.

For visual reference ONLY. Do not reproduce for signage purposes.

A digital file of this shell artwork can be found on the accompanying Artwork Disc in the “Standards” folder as “Symbols.”

Additional symbols can be found in the Manual on Uniform Traffic Control Devices (MUTCD).

Refer to http://mutcd.fhwa.dot.gov for more information.
**ID.01** - Entry feature is intended to be high-speed (over 50 MPH) primary entrances to Georgetown. This sign will require illumination and right-of-way approvals/easements for fabrication. Site-specific landscape design shall be developed for each location of the monument sign.

**These drawings are design intent only. The successful Bidder shall provide detailed drawings and specifications for City approval prior to fabrication.**

These documents are for design intent and shall be used only as a guide to produce the finished sizes, appearances and functions shown. Nothing contained in these documents shall be construed as a design for and engineered elements. The fabricator/contractor shall be responsible for all structural, electrical, mechanical and foundation engineering. These documents were produced under and graphic design services agreement. These drawings are part of an original unpublished design by Babendure Design Group. The detailing and information contained herein shall not be reproduced, copied or utilized except for the specific project for which they were created, without the previous written authorization from Babendure Design Group and The City of Georgetown.

“All Rights Reserved” Copyright.
ID.01
High-Speed Monument

1. Concrete masonry infill with honed finish Austin Limestone veneer.

2. Austin Limestone accent with honed finish.

3. Sloping Austin Limestone base with honed finish. Height varies by existing topography.

4. Spread reinforced concrete footing to minimize utility conflicts. Provide engineering drawings and joint pattern for approval.

5. Three Elliptipar lighting fixtures of number F164-T255-H-061-000 with one lamp number HOD0600 in the middle and two number HOC0600 on the ends. Lamps to be 3000 degree.

Mounting to be determined by Contractor in the field prior to ordering pending mounting conditions. Light fixture should be placed 30” o.c. from face of signage.

6. 1/4” bronze strip, mechanically fastened to limestone.


Coordinate finish elevation with landscape plan and light fixtures.

Digital artwork available from City.
ID.01
High-Speed Monument

1. Concrete masonry infill with honed finish Austin Limestone veneer.

2. Austin Limestone accent with honed finish.

3. Sloping Austin Limestone base with honed finish. Height varies by existing topography.

4. Spread reinforced concrete footing to minimize utility conflicts. Provide engineering drawings and joint pattern for approval.

5. Three Elliptipar lighting fixtures of number F164-T255-H-061-000 with one lamp number HOD0600 in the middle and two number HOC0600 on the ends. Lamps to be 3000 degree.

Mounting to be determined by Contractor in the field prior to ordering pending mounting conditions. Light fixture should be placed 30” o.c. from face of signage.

6. 1/4” bronze strip, mechanically fastened to limestone.


Coordinate finish elevation with landscape plan and light fixtures.

Digital artwork available from City.
ID.01

High-Speed Monument

1. Concrete masonry infill with honed finish Austin Limestone veneer.

2. Austin Limestone accent with honed finish.

3. Sloping Austin Limestone base with honed finish. Height varies by existing topography.

4. Spread reinforced concrete footing to minimize utility conflicts. Provide engineering drawings and joint pattern for approval.

5. Three Elliptipar lighting fixtures of number F164-T255-H-061-000 with one lamp number HOD0600 in the middle and two number HOC0600 on the ends. Lamps to be 3000 degree.

Mounting to be determined by Contractor in the field prior to ordering pending mounting conditions. Light fixture should be placed 30” o.c. from face of signage.

6. 1/4” bronze strip, mechanically fastened to limestone.


Coordinate finish elevation with landscape plan and light fixtures.

Digital artwork available from City.
ID.02 - Entry feature is intended to be low-speed (under 50 MPH) primary entrances to Georgetown. This sign will require illumination and right-of-way approvals/easements for fabrication. Site-specific landscape design shall be developed for each location of the monument sign.

These drawings are design intent only. The successful Bidder shall provide detailed drawings and specifications for City approval prior to fabrication.

These documents are for design intent and shall be used only as a guide to produce the finished sizes, appearances and functions shown. Nothing contained in these documents shall be construed as a design for and engineered elements. The fabricator/contractor shall be responsible for all structural, electrical, mechanical and foundation engineering. These documents were produced under and graphic design services agreement. These drawings are part of an original unpublished design by Babendure Design Group. The detailing and information contained herein shall not be reproduced, copied or utilized except for the specific project for which they were created, without the previous written authorization from Babendure Design Group and The City of Georgetown.

“All Rights Reserved” Copyright.
ID.01
Low-Speed Monument

1. Concrete masonry infill with honed finish Austin Limestone veneer.

2. Austin Limestone accent with honed finish.

3. Sloping Austin Limestone base with honed finish. Height varies by existing topography.

4. Spread reinforced concrete footing to minimize utility conflicts. Provide engineering drawings and joint pattern for approval.

5. Two Elliptipar lighting fixtures: one of number F164-T255-H-061-000 and one of number F165-T155-H-061-000. One lamp number HOD0600 in the and one number HOC0600. Lamps to be 3000 degree. Mounting to be determined by Contractor in the field prior to ordering pending mounting conditions. Light fixture should be placed 30" o.c. from face of signage.

6. 1/4" bronze strip, mechanically fastened to limestone.


Coordinate finish elevation with landscape plan and light fixtures.

Digital artwork available from City.
ID.01
Low-Speed Monument

1. Concrete masonry infill with honed finish Austin Limestone veneer.

2. Austin Limestone accent with honed finish.

3. Sloping Austin Limestone base with honed finish. Height varies by existing topography.

4. Spread reinforced concrete footing to minimize utility conflicts. Provide engineering drawings and joint pattern for approval.

5. Two Elliptipar lighting fixtures: one of number F164-T255-H-061-000 and one of number F165-T155-H-061-000. One lamp number HOD0600 in the and one number HOC0600. Lamps to be 3000 degree.

Mounting to be determined by Contractor in the field prior to ordering pending mounting conditions. Light fixture should be placed 30” o.c. from face of signage.

6. 1/4” bronze strip, mechanically fastened to limestone.


Coordinate finish elevation with landscape plan and light fixtures.

Digital artwork available from City.
ID.01
Low-Speed Monument

1. Concrete masonry infill with honed finish Austin Limestone veneer.

2. Austin Limestone accent with honed finish.

3. Sloping Austin Limestone base with honed finish. Height varies by existing topography.

4. Spread reinforced concrete footing to minimize utility conflicts. Provide engineering drawings and joint pattern for approval.

5. Two Elliptipar lighting fixtures: one of number F164-T255-H-061-000 and one of number F165-T155-H-061-000. One lamp number HOD0600 in the and one number HOC0600. Lamps to be 3000 degree.

    Mounting to be determined by Contractor in the field prior to ordering pending mounting conditions. Light fixture should be placed 30” o.c. from face of signage.

6. 1/4” bronze strip, mechanically fastened to limestone.


Coordinate finish elevation with landscape plan and light fixtures.

Digital artwork available from City.
VEH.01 - Used to direct vehicular traffic along major arteries, such as Austin or University Avenues. Message should be limited to generic destinations such as “Shopping” instead of specific businesses. Space for four messages is provided, but use shorter messages whenever possible.
Sign to be positioned at least 200 feet before the intersection and at least 2 feet away from the interior face of the curb or the edge of the roadway. Recommended locations: along University and Austin Avenues.
VEH.01
Vehicular Directional

1. 1/8” aluminum sign panel, painted to match P-1 Red. Return color on all sides.

2. Decorative elements painted to match P-2 Yellow.

3. 10” diameter post, powder-coated to match P-3 Bronze.

4. Aluminum accent, welded to the post and powder-coated to match P-3 Bronze.

5. Fabricated aluminum base cap, powder-coated to match P-3 Bronze.

6. Cast aluminum base, powder-coated to match P-3 Bronze.

7. TXDOT-approved breakaway connection.

8. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

Fabricator to provide sealed engineering drawings for each location.

9. 1” x 3” aluminum stiffener channel painted to match P-2 Yellow.

10. “U” bolt with lock nuts and bolts, painted to match P-2 Yellow.

11. Aluminum angle to connect stiffener to “U” bolt, painted to match P-2 Yellow.

12. Arrow cut out of a vinyl field to match V-1 Reflective White.

13. Vinyl text to match V-1 Reflective White.

14. Refer to Symbol Standards on Page 4.3 for symbol colors.

Verify with local utility company that signs will stay clear of all overhead powerlines.

Digital artwork available from City.
VEH.01
Vehicular Directional

1. 1/8” aluminum sign panel, painted to match P-1 Red. Return color on all sides.

2. Decorative elements painted to match P-2 Yellow.

3. 10” diameter post, powder-coated to match P-3 Bronze.

4. Aluminum accent, welded to the post and powder-coated to match P-3 Bronze.

5. Fabricated aluminum base cap, powder-coated to match P-3 Bronze.

6. Cast aluminum base, powder-coated to match P-3 Bronze.

7. TXDOT-approved breakaway connection.

8. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

Fabricator to provide sealed engineering drawings for each location.

9. 1” x 3” aluminum stiffener channel painted to match P-2 Yellow.

10. “U” bolt with lock nuts and bolts, painted to match P-2 Yellow.

11. Aluminum angle to connect stiffener to “U” bolt, painted to match P-2 Yellow.

12. Arrow cut out of a vinyl field to match V-1 Reflective White.

13. Vinyl text to match V-1 Reflective White.

14. Refer to Symbol Standards on Page 4.3 for symbol colors.

Verify with local utility company that signs will stay clear of all overhead powerlines.

Digital artwork available from City.
VEH.01
Vehicular Directional

1. 1/8” aluminum sign panel, painted to match P-1 Red. Return color on all sides.

2. Decorative elements painted to match P-2 Yellow.

3. 10” diameter post, powder-coated to match P-3 Bronze.

4. Aluminum accent, welded to the post and powder-coated to match P-3 Bronze.

5. Fabricated aluminum base cap, powder-coated to match P-3 Bronze.

6. Cast aluminum base, powder-coated to match P-3 Bronze.

7. TXDOT-approved breakaway connection.

8. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

9. 1” x 3” aluminum stiffener channel painted to match P-2 Yellow.

10. “U” bolt with lock nuts and bolts, painted to match P-2 Yellow.

11. Aluminum angle to connect stiffener to “U” bolt, painted to match P-2 Yellow.

12. Arrow cut out of a vinyl field to match V-1 Reflective White.

13. Vinyl text to match V-1 Reflective White.

14. Refer to Symbol Standards on Page 4.3 for symbol colors.

Verify with local utility company that signs will stay clear of all overhead powerlines.

Digital artwork available from City.
VEH.01
Vehicular Directional

1. 1/8” aluminum sign panel, painted to match P-1 Red. Return color on all sides.

2. Decorative elements painted to match P-2 Yellow.

3. 10” diameter post, powder-coated to match P-3 Bronze.

4. Aluminum accent, welded to the post and powder-coated to match P-3 Bronze.

5. Fabricated aluminum base cap, powder-coated to match P-3 Bronze.

6. Cast aluminum base, powder-coated to match P-3 Bronze.

7. TXDOT-approved breakaway connection.

8. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

Fabricator to provide sealed engineering drawings for each location.

9. 1” x 3” aluminum stiffener channel painted to match P-2 Yellow.

10. “U” bolt with lock nuts and bolts, painted to match P-2 Yellow.

11. Aluminum angle to connect stiffener to “U” bolt, painted to match P-2 Yellow.

12. Arrow cut out of a vinyl field to match V-1 Reflective White.

13. Vinyl text to match V-1 Reflective White.

14. Refer to Symbol Standards on Page 4.3 for symbol colors.

Verify with local utility company that signs will stay clear of all overhead powerlines.

Digital artwork available from City.
VEH.02 - Used to direct vehicular traffic along major arteries. This sign may be mounted on existing streetscape elements such as light posts or utility posts or on 3” poles. Single destinations such “Post Office” or “City Park” may presented on this sign to create linkages between areas of the City. Locations and spacing to be in accordance with MUTCD standards.
VEH.02 - Used to direct vehicular traffic along major arteries. This sign may be mounted on existing streetscape elements such as light posts or utility posts or on 3” poles. Single destinations such “Post Office” or “City Park” may presented on this sign to create linkages between areas of the City. Locations and spacing to be in accordance with MUTCD standards.
VEH.02
Trailblazer

1. 0.80 aluminum sign panel painted to match P-1 Red.
2. Decoration painted to match P-2 Yellow.
3. Drilled hole to receive mounting bolt.
4. 3" diameter aluminum post and cap, powder-coated to match P-3 Bronze.
5. TXDOT-approved breakaway connection.
6. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.
7. Galvanized steel or stainless steel lag bolt. Isolate from face. Paint head to match P-1 Red.
   Stainless steel adjustable strap may be used as an alternate mounting.
8. Existing utility pole.
9. Aluminum round head carriage bolt with washer and nut to secure sign to aluminum angle support. Isolate from sign face. Head painted to match P-1 Red.
10. Aluminum angle to connect stiffener to "U" bolt, painted to match P-3 Bronze.
11. "U" bolt with lock nuts and bolts, painted to match P-3 Bronze.
12. Arrow cut out of vinyl field to match V-1 Reflective White.
13. Vinyl text to match V-1 Reflective White.
14. Refer to Symbol Standards on Page 4.3 for symbol colors.

Digital artwork available from City.
VEH.02 Trailblazer

1. 0.80 aluminum sign panel painted to match P-1 Red.

2. Decoration painted to match P-2 Yellow.

3. Drilled hole to receive mounting bolt.

4. 3” diameter aluminum post and cap, powder-coated to match P-3 Bronze.

5. TXDOT-approved breakaway connection.

6. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

7. Galvanized steel or stainless steel lag bolt. Isolate from face. Paint head to match P-1 Red.

   Stainless steel adjustable strap may be used as an alternate mounting.

8. Existing utility pole.

9. Aluminum round head carriage bolt with washer and nut to secure sign to aluminum angle support. Isolate from sign face. Head painted to match P-1 Red.

10. Aluminum angle to connect stiffener to “U” bolt, painted to match P-3 Bronze.

11. “U” bolt with lock nuts and bolts, painted to match P-3 Bronze.

12. Arrow cut out of vinyl field to match V-1 Reflective White.

13. Vinyl text to match V-1 Reflective White.

14. Refer to Symbol Standards on Page 4.3 for symbol colors.

Digital artwork available from City.
VEH.02
Trailblazer

1. 0.80 aluminum sign panel painted to match P-1 Red.

2. Decoration painted to match P-2 Yellow.

3. Drilled hole to receive mounting bolt.

4. 3” diameter aluminum post and cap, powder-coated to match P-3 Bronze.

5. TXDOT-approved breakaway connection.

6. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

7. Galvanized steel or stainless steel lag bolt. Isolate from face. Paint head to match P-1 Red.

Stainless steel adjustable strap may be used as an alternate mounting.

8. Existing utility pole.

9. Aluminum round head carriage bolt with washer and nut to secure sign to aluminum angle support. Isolate from sign face. Head painted to match P-1 Red.

10. Aluminum angle to connect stiffener to “U” bolt, painted to match P-3 Bronze.

11. “U” bolt with lock nuts and bolts, painted to match P-3 Bronze.

12. Arrow cut out of vinyl field to match V-1 Reflective White.

13. Vinyl text to match V-1 Reflective White.

14. Refer to Symbol Standards on Page 4.3 for symbol colors.

Digital artwork available from City.
VEH.02
Trailblazer

1. 0.80 aluminum sign panel painted to match P-1 Red.
2. Decoration painted to match P-2 Yellow.
3. Drilled hole to receive mounting bolt.
4. 3” diameter aluminum post and cap, powder-coated to match P-3 Bronze.
5. TXDOT-approved breakaway connection.
6. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.
7. Galvanized steel or stainless steel lag bolt. Isolate from face. Paint head to match P-1 Red.
   Stainless steel adjustable strap may be used as an alternate mounting.
8. Existing utility pole.
9. Aluminum round head carriage bolt with washer and nut to secure sign to aluminum angle support. Isolate from sign face. Head painted to match P-1 Red.
10. Aluminum angle to connect stiffener to “U” bolt, painted to match P-3 Bronze.
11. “U” bolt with lock nuts and bolts, painted to match P-3 Bronze.
12. Arrow cut out of vinyl field to match V-1 Reflective White.
13. Vinyl text to match V-1 Reflective White.
14. Refer to Symbol Standards on Page 4.3 for symbol colors.

Digital artwork available from City.
VEH.02
Trailblazer

1. 0.80 aluminum sign panel painted to match P-1 Red.

2. Decoration painted to match P-2 Yellow.

3. Drilled hole to receive mounting bolt.

4. 3” diameter aluminum post and cap, powder-coated to match P-3 Bronze.

5. TXDOT-approved breakaway connection.

6. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

7. Galvanized steel or stainless steel lag bolt. Isolate from face. Paint head to match P-1 Red.

Stainless steel adjustable strap may be used as an alternate mounting.

8. Existing utility pole.

9. Aluminum round head carriage bolt with washer and nut to secure sign to aluminum angle support. Isolate from sign face. Head painted to match P-1 Red.

10. Aluminum angle to connect stiffener to “U” bolt, painted to match P-3 Bronze.

11. “U” bolt with lock nuts and bolts, painted to match P-3 Bronze.

12. Arrow cut out of vinyl field to match V-1 Reflective White.

13. Vinyl text to match V-1 Reflective White.

14. Refer to Symbol Standards on Page 4.3 for symbol colors.

Digital artwork available from City.
VEH.03 - Used along major arteries, to direct vehicular traffic to development areas. When the destinations exceed one sign, divide into multiple signs by direction.
VEH.03 - Used along major arteries, to direct vehicular traffic to development areas. When the destinations exceed one sign, divide into multiple signs by direction.
Sign to be positioned at least 200 feet before the intersection and at least 2 feet away from the interior face of the curb or the edge of the roadway.
VEH.03
Secondary Directional

1. 1/8” aluminum sign panel, painted to match P-1 Red. Return color on all sides.

2. Decorative lines painted to match P-2 Yellow. Based on the message, all lines may not be necessary.

3. 10” diameter post, powder-coated to match P-3 Bronze.

4. Aluminum accent, welded to the post and powder-coated to match P-3 Bronze.

5. Fabricated aluminum base cap, powder-coated to match P-3 Bronze.

6. Cast aluminum base, powder-coated to match P-3 Bronze.

7. TXDOT-approved breakaway connection.

8. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

Fabricator to provide sealed engineering drawings for each location.

9. 1” x 3” aluminum stiffener channel painted to match P-2 Yellow.

10. “U” bolt with lock nuts and bolts, painted to match P-2 Yellow.

11. Aluminum angle to connect stiffener to “U” bolt, painted to match P-2 Yellow.

12. Arrow cut out of a vinyl field to match V-1 Reflective White.

13. Vinyl text to match V-1 Reflective White.

Verify with local utility company that signs will stay clear of all overhead powerlines.

Digital artwork available from City.
VEH.03
Secondary Directional

1. 1/8” aluminum sign panel, painted to match P-1 Red. Return color on all sides.

2. Decorative lines painted to match P-2 Yellow. Based on the message, all lines may not be necessary.

3. 10” diameter post, powder-coated to match P-3 Bronze.

4. Aluminum accent, welded to the post and powder-coated to match P-3 Bronze.

5. Fabricated aluminum base cap, powder-coated to match P-3 Bronze.

6. Cast aluminum base, powder-coated to match P-3 Bronze.

7. TXDOT-approved breakaway connection.

8. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

Fabricator to provide sealed engineering drawings for each location.

9. 1” x 3” aluminum stiffener channel painted to match P-2 Yellow.

10. “U” bolt with lock nuts and bolts, painted to match P-2 Yellow.

11. Aluminum angle to connect stiffener to “U” bolt, painted to match P-2 Yellow.

12. Arrow cut out of a vinyl field to match V-1 Reflective White.

13. Vinyl text to match V-1 Reflective White.

Verify with local utility company that signs will stay clear of all overhead powerlines.

Digital artwork available from City.
VEH.03
Secondary Directional

1. 1/8” aluminum sign panel, painted to match P-1 Red. Return color on all sides.

2. Decorative lines painted to match P-2 Yellow. Based on the message, all lines may not be necessary.

3. 10” diameter post, powder-coated to match P-3 Bronze.

4. Aluminum accent, welded to the post and powder-coated to match P-3 Bronze.

5. Fabricated aluminum base cap, powder-coated to match P-3 Bronze.

6. Cast aluminum base, powder-coated to match P-3 Bronze.

7. TXDOT-approved breakaway connection.

8. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

Fabricator to provide sealed engineering drawings for each location.

9. 1” x 3” aluminum stiffener channel painted to match P-2 Yellow.

10. “U” bolt with lock nuts and bolts, painted to match P-2 Yellow.

11. Aluminum angle to connect stiffener to “U” bolt, painted to match P-2 Yellow.

12. Arrow cut out of a vinyl field to match V-1 Reflective White.

13. Vinyl text to match V-1 Reflective White.

Verify with local utility company that signs will stay clear of all overhead powerlines.

Digital artwork available from City.
VEH.03
Secondary Directional

1. 1/8” aluminum sign panel, painted to match P-1 Red. Return color on all sides.

2. Decorative lines painted to match P-2 Yellow. Based on the message, all lines may not be necessary.

3. 10” diameter post, powder-coated to match P-3 Bronze.

4. Aluminum accent, welded to the post and powder-coated to match P-3 Bronze.

5. Fabricated aluminum base cap, powder-coated to match P-3 Bronze.

6. Cast aluminum base, powder-coated to match P-3 Bronze.

7. TXDOT-approved breakaway connection.

8. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

   Fabricator to provide sealed engineering drawings for each location.

9. 1” x 3” aluminum stiffener channel painted to match P-2 Yellow.

10. “U” bolt with lock nuts and bolts, painted to match P-2 Yellow.

11. Aluminum angle to connect stiffener to “U” bolt, painted to match P-2 Yellow.

12. Arrow cut out of a vinyl field to match V-1 Reflective White.

13. Vinyl text to match V-1 Reflective White.

   Verify with local utility company that signs will stay clear of all overhead powerlines.

   Digital artwork available from City.
VEH.04 - Used to direct vehicular traffic along minor arteries, with low-speed traffic. Message should be limited to generic destinations such as “Shopping” instead of specific businesses. Space for four messages is provided, but use shorter messages whenever possible.
VEH.04
Small Vehicular Directional

1. 1/8” aluminum sign panel, painted to match P-1 Red. Return color on all sides.

2. Decorative elements painted to match P-2 Yellow.

3. 6” diameter post, powder-coated to match P-3 Bronze.

4. TXDOT-approved breakaway connection.

5. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

Fabricator to provide sealed engineering drawings for each location.

6. 1” x 2” aluminum stiffener channel painted to match P-2 Yellow.

7. “U” bolt with lock nuts and bolts, painted to match P-2 Yellow.

8. Aluminum angle to connect stiffener to “U” bolt, painted to match P-2 Yellow.

9. Arrow cut out of a vinyl field to match V-1 Reflective White.

10. Vinyl text to match V-1 Reflective White.

11. Refer to Symbol Standards on Page 4.3 for symbol colors.

Verify with local utility company that signs will stay clear of all overhead powerlines.

Digital artwork available from City.
VEH.04
Small Vehicular Directional

1. 1/8" aluminum sign panel, painted to match P-1 Red. Return color on all sides.

2. Decorative elements painted to match P-2 Yellow.

3. 6" diameter post, powder-coated to match P-3 Bronze.

4. TXDOT-approved breakaway connection.

5. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

Fabricator to provide sealed engineering drawings for each location.

6. 1" x 2" aluminum stiffener channel painted to match P-2 Yellow.

7. “U” bolt with lock nuts and bolts, painted to match P-2 Yellow.

8. Aluminum angle to connect stiffener to “U” bolt, painted to match P-2 Yellow.

9. Arrow cut out of a vinyl field to match V-1 Reflective White.

10. Vinyl text to match V-1 Reflective White.

11. Refer to Symbol Standards on Page 4.3 for symbol colors.

Verify with local utility company that signs will stay clear of all overhead powerlines.

Digital artwork available from City.
VEH.04
Small Vehicular Directional

1. 1/8” aluminum sign panel, painted to match P-1 Red. Return color on all sides.

2. Decorative elements painted to match P-2 Yellow.

3. 6” diameter post, powder-coated to match P-3 Bronze.

4. TXDOT-approved breakaway connection.

5. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

   Fabricator to provide sealed engineering drawings for each location.

6. 1” x 2” aluminum stiffener channel painted to match P-2 Yellow.

7. “U” bolt with lock nuts and bolts, painted to match P-2 Yellow.

8. Aluminum angle to connect stiffener to “U” bolt, painted to match P-2 Yellow.

9. Arrow cut out of a vinyl field to match V-1 Reflective White.

10. Vinyl text to match V-1 Reflective White.

11. Refer to Symbol Standards on Page 4.3 for symbol colors.

   Verify with local utility company that signs will stay clear of all overhead powerlines.

   Digital artwork available from City.
VEH.04
Small Vehicular Directional

1. 1/8” aluminum sign panel, painted to match P-1 Red. Return color on all sides.

2. Decorative elements painted to match P-2 Yellow.

3. 6” diameter post, powder-coated to match P-3 Bronze.

4. TXDOT-approved breakaway connection.

5. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

   **Fabricator to provide sealed engineering drawings for each location.**

6. 1” x 2” aluminum stiffener channel painted to match P-2 Yellow.

7. “U” bolt with lock nuts and bolts, painted to match P-2 Yellow.

8. Aluminum angle to connect stiffener to “U” bolt, painted to match P-2 Yellow.

9. Arrow cut out of a vinyl field to match V-1 Reflective White.

10. Vinyl text to match V-1 Reflective White.

11. Refer to Symbol Standards on Page 4.3 for symbol colors.

Verify with local utility company that signs will stay clear of all overhead powerlines.

Digital artwork available from City.
PED.01 - Used to provide orientation and listings for visitor destinations within Georgetown. Locate at major pedestrian routes and place on paved surfaces easily accessible to disabled users. The sign is intended to be double-faced and located within planting areas along major pedestrian routes. If it is placed outside a planting area, provide a base to cover the entire width of the sign to satisfy ADA requirements for pedestrians with visual impairment. Special consideration may be given to a wall mount sign.

These documents are for design intent and shall be used only as a guide to produce the finished sizes, appearances and functions shown. Nothing contained in these documents shall be construed as a design for and engineered elements. The fabricator/contractor shall be responsible for all structural, electrical, mechanical and foundation engineering. These documents were produced under and graphic design services agreement. These drawings are part of an original unpublished design by Babendure Design Group. The detailing and information contained herein shall not be reproduced, copied or utilized except for the specific project for which they were created, without the previous written authorization from Babendure Design Group and The City of Georgetown.

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PED.01 - Used to provide orientation and listings for visitor destinations within Georgetown. Locate at major pedestrian routes and place on paved surfaces easily accessible to disabled users. The sign is intended to be double-faced and located within planting areas along major pedestrian routes. If it is placed outside a planting area, provide a base to cover the entire width of the sign to satisfy ADA requirements for pedestrians with visual impairment. Special consideration may be given to a wall mount sign.
**PED.01 Pedestrian Directory**

1. Fabricated aluminum sign can. Seamless construction with recess to receive removable panel. Powdercoated to match P-1 Red.

2. Decorative accent painted to match P-2 Yellow.

3. 1/4” x 3” aluminum strip powdercoated to match P-2 Yellow. Attach to sign can with flange bolts with outer diameter of 5/8” painted to match P-3 Bronze.

4. High-grade exterior digital print laminated to removable painted ceramic plate.

5. 1/8” aluminum decorative bracket with eased edges painted to match P-3 Bronze. Provide holes for water drainage.

6. 1/4” aluminum decorative plate painted to match P-3 Bronze.

7. 3” round pole painted to match P-3 Bronze.

8. 1/2” aluminum ring welded to post and painted to match P-3 Bronze.

9. Fabricated aluminum base covers painted to match P-3 Bronze. When located in pedestrian pathways, provide a base as wide as the width of the sign to satisfy ADA requirements.

10. Provide leveling grout where necessary.


12. 3000 PSI reinforced concrete foundation. Fabricator to provide engineering calculations and drawings for all foundations and submit to City for approval. Coordinate location of foundation with City’s Engineering Department. City will assist with location of the underground utilities. Submit detailed drawing locating structure in relation to existing roadway and obstructions.


15. Field printed to match P-1 Red.


17. Printed symbol or number dropped out of P-4 White circle.
PED.01
Pedestrian Directory

1. Fabricated aluminum sign can. Seamless construction with recess to receive removable panel. Powdercoated to match P-1 Red.

2. Decorative accent painted to match P-2 Yellow.

3. 1/4” x 3” aluminum strip powdercoated to match P-2 Yellow. Attach to sign can with flange bolts with outer diameter of 5/8” painted to match P-3 Bronze.

4. High-grade exterior digital print laminated to removable painted ceramic plate.

5. 1/8” aluminum decorative bracket with eased edges painted to match P-3 Bronze. Provide holes for water drainage.

6. 1/4” aluminum decorative plate painted to match P-3 Bronze.

7. 3” round pole painted to match P-3 Bronze.

8. 1/2” aluminum ring welded to post and painted to match P-3 Bronze.

9. Fabricated aluminum base covers painted to match P-3 Bronze. When located in pedestrian pathways, provide a base as wide as the width of the sign to satisfy ADA requirements.

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15. Field printed to match P-1 Red.


17. Printed symbol or number dropped out of P-4 White circle.
PED.01
Pedestrian Directory

1. Fabricated aluminum sign can. Seamless construction with recess to receive removable panel. Powdercoated to match P-1 Red.

2. Decorative accent painted to match P-2 Yellow.

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5. 1/8” aluminum decorative bracket with eased edges painted to match P-3 Bronze. Provide holes for water drainage.

6. 1/4” aluminum decorative plate painted to match P-3 Bronze.

7. 3” round pole painted to match P-3 Bronze.

8. 1/2” aluminum ring welded to post and painted to match P-3 Bronze.

9. Fabricated aluminum base covers painted to match P-3 Bronze. When located in pedestrian pathways, provide a base as wide as the width of the sign to satisfy ADA requirements.

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**PED.01**

**Pedestrian Directory**

1. Fabricated aluminum sign can. Seamless construction with recess to receive removable panel. Powdercoated to match P-1 Red.

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4. High-grade exterior digital print laminated to removable painted ceramic plate.

5. 1/8” aluminum decorative bracket with eased edges painted to match P-3 Bronze. Provide holes for water drainage.

6. 1/4” aluminum decorative plate painted to match P-3 Bronze.

7. 3” round pole painted to match P-3 Bronze.

8. 1/2” aluminum ring welded to post and painted to match P-3 Bronze.

9. Fabricated aluminum base covers painted to match P-3 Bronze. When located in pedestrian pathways, provide a base as wide as the width of the sign to satisfy ADA requirements.

10. Provide leveling grout where necessary.


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PED.01
Pedestrian Directory

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2. Decorative accent painted to match P-2 Yellow.

3. 1/4” x 3” aluminum strip powdercoated to match P-2 Yellow. Attach to sign can with flange bolts with outer diameter of 5/8” painted to match P-3 Bronze.

4. High-grade exterior digital print laminated to removable painted ceramic plate.

5. 1/8” aluminum decorative bracket with eased edges painted to match P-3 Bronze. Provide holes for water drainage.

6. 1/4” aluminum decorative plate painted to match P-3 Bronze.

7. 3” round pole painted to match P-3 Bronze.

8. 1/2” aluminum ring welded to post and painted to match P-3 Bronze.

9. Fabricated aluminum base covers painted to match P-3 Bronze. When located in pedestrian pathways, provide a base as wide as the width of the sign to satisfy ADA requirements.

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PED.01

Pedestrian Directory

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17. Printed symbol or number dropped out of P-4 White circle.
**PED.01 Pedestrian Directory**

1. Fabricated aluminum sign can. Seamless construction with recess to receive removable panel. Powdercoated to match P-1 Red.

2. Decorative accent painted to match P-2 Yellow.

3. 1/4” x 3” aluminum strip powdercoated to match P-2 Yellow. Attach to sign can with flange bolts with outer diameter of 5/8” painted to match P-3 Bronze.

4. High-grade exterior digital print laminated to removable painted ceramic plate.

5. 1/8” aluminum decorative bracket with eased edges painted to match P-3 Bronze. Provide holes for water drainage.

6. 1/4” aluminum decorative plate painted to match P-3 Bronze.

7. 3” round pole painted to match P-3 Bronze.

8. 1/2” aluminum ring welded to post and painted to match P-3 Bronze.

9. Fabricated aluminum base covers painted to match P-3 Bronze. When located in pedestrian pathways, provide a base as wide as the width of the sign to satisfy ADA requirements.

10. Provide leveling grout where necessary.


12. 3000 PSI reinforced concrete foundation. Fabricator to provide engineering calculations and drawings for all foundations and submit to City for approval. Coordinate location of foundation with City’s Engineering Department. City will assist with location of the underground utilities. Submit detailed drawing locating structure in relationship to existing roadway and obstructions.


15. Field printed to match P-1 Red.


17. Printed symbol or number dropped out of P-4 White circle.
PED.02 - Used to provide orientation and listings for visitor destinations within Georgetown. Locate at major pedestrian routes and place on existing walls.
**PED.02**

Wall-Mounted Directory

1. Fabricated aluminum sign pan, powder-coated to match P-1 Red. Seamless construction with recess to receive removable panel. Pan to be mounted to existing wall on an aluminum angle sub-frame. Secure pan to frame with countersunk screws.

2. Decorative accent painted to match P-2 Yellow.

3. 1/4” x 3” aluminum strip powdercoated to match P-2 Yellow. Attach to sign can with flange bolts with outer diameter of 5/8” painted to match P-3 Bronze.

4. High-grade exterior digital print laminated to removable painted ceramic plate.

5. Neoprene gasket to protect aluminum strip.

6. Alignment pin.

7. Field printed to match P-1 Red.


9. Printed symbol or number dropped out of P-4 White circle.
PED.02
Wall-Mounted Directory

1. Fabricated aluminum sign pan, powder-coated to match P-1 Red. Seamless construction with recess to receive removable panel. Pan to be mounted to existing wall on an aluminum angle sub-frame. Secure pan to frame with countersunk screws.

2. Decorative accent painted to match P-2 Yellow.

3. 1/4" x 3" aluminum strip powdercoated to match P-2 Yellow. Attach to sign can with flange bolts with outer diameter of 5/8" painted to match P-3 Bronze.

4. High-grade exterior digital print laminated to removable painted ceramic plate.

5. Neoprene gasket to protect aluminum strip.

6. Alignment pin.

7. Field printed to match P-1 Red.


9. Printed symbol or number dropped out of P-4 White circle.
PED.02
Wall-Mounted Directory

1. Fabricated aluminum sign pan, powder-coated to match P-1 Red. Seamless construction with recess to receive removable panel. Pan to be mounted to existing wall on an aluminum angle sub-frame. Secure pan to frame with countersunk screws.

2. Decorative accent painted to match P-2 Yellow.

3. 1/4” x 3” aluminum strip powdercoated to match P-2 Yellow. Attach to sign can with flange bolts with outer diameter of 5/8” painted to match P-3 Bronze.

4. High-grade exterior digital print laminated to removable painted ceramic plate.

5. Neoprene gasket to protect aluminum strip.

6. Alignment pin.

7. Field printed to match P-1 Red.


9. Printed symbol or number dropped out of P-4 White circle.
 PED.02
Wall-Mounted Directory

1. Fabricated aluminum sign pan, powder-coated to match P-1 Red. Seamless construction with recess to receive removable panel. Pan to be mounted to existing wall on an aluminum angle sub-frame. Secure pan to frame with countersunk screws.

2. Decorative accent painted to match P-2 Yellow.

3. 1/4” x 3” aluminum strip powdercoated to match P-2 Yellow. Attach to sign can with flange bolts with outer diameter of 5/8” painted to match P-3 Bronze.

4. High-grade exterior digital print laminated to removable painted ceramic plate.

5. Neoprene gasket to protect aluminum strip.

6. Alignment pin.

7. Field printed to match P-1 Red.


9. Printed symbol or number dropped out of P-4 White circle.
**PED.02**

**Wall-Mounted Directory**

1. Fabricated aluminum sign pan, powder-coated to match P-1 Red. Seamless construction with recess to receive removable panel. Pan to be mounted to existing wall on an aluminum angle sub-frame. Secure pan to frame with countersunk screws.

2. Decorative accent painted to match P-2 Yellow.

3. 1/4” x 3” aluminum strip powdercoated to match P-2 Yellow. Attach to sign can with flange bolts with outer diameter of 5/8” painted to match P-3 Bronze.

4. High-grade exterior digital print laminated to removable painted ceramic plate.

5. Neoprene gasket to protect aluminum strip.

6. Alignment pin.

7. Field printed to match P-1 Red.


9. Printed symbol or number dropped out of P-4 White circle.

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**Historic Downtown Convention & Visitor Bureau**

**Grace Heritage Center**

**Palace Theater Library**

**Municipal Court Court House**
**PED.03** - Used to identify significant buildings or events within Georgetown. The sign is intended to be single faced and located within planting areas. If it is placed outside a planting area, provide a base to cover the entire width of the sign to satisfy ADA requirements for pedestrians with visual impairment. Special consideration may be given to a wall mount sign.

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PED.03
Interpretive Sign

1. 1/4" thick phenolic graphics panel with high resolution digital image. Field printed to match P-1 Red. Laminate to 1/8" aluminum backup plate, painted to match P-1 Red.

2. Drilled hole to receive mounting bolt.

3. 3" diameter aluminum post and cap, powder-coated to match P-3 Bronze.

4. 1/2" aluminum ring welded to post and painted to match P-3 Bronze.

5. Fabricated aluminum base covers painted to match P-3 Bronze. When located in pedestrian pathways, provide a base as wide as the width of the sign to satisfy ADA requirements.

6. Provide leveling grout where necessary.

7. Cast-in anchors from sign base into concrete.

8. 3000 PSI reinforced concrete foundation. Fabricator to provide engineering calculations and drawings for all foundations and submit to City for approval. Coordinate location of foundation with City’s Engineering Department. City will assist with location of the underground utilities. Submit detailed drawing locating structure in relation ship to existing roadway and obstructions.

9. Aluminum round head carriage bolt with washer and nut to secure sign to aluminum angle support. Isolate from sign face. Head painted to match P-1 Red.

10. Aluminum angle to connect stiffener to "U" bolt, painted to match P-3 Bronze.

11. "U" bolt with lock nuts and bolts, painted to match P-3 Bronze.

12. Decorative accent printed to match P-2 Yellow.

13. Interpretive images and text provided by City. Text should be either ITC Franklin Gothic Std- Demi Condensed or Medium Condensed.

Digital artwork available from City.
PED.03 Interpretive Sign

1. 1/4" thick phenolic graphics panel with high resolution digital image. Field printed to match P-1 Red. Laminate to 1/8” aluminum backup plate, painted to match P-1 Red.

2. Drilled hole to receive mounting bolt.

3. 3” diameter aluminum post and cap, powder-coated to match P-3 Bronze.

4. 1/2” aluminum ring welded to post and painted to match P-3 Bronze.

5. Fabricated aluminum base covers painted to match P-3 Bronze. When located in pedestrian pathways, provide a base as wide as the width of the sign to satisfy ADA requirements.

6. Provide leveling grout where necessary.

7. Cast-in anchors from sign base into concrete.

8. 3000 PSI reinforced concrete foundation. Fabricator to provide engineering calculations and drawings for all foundations and submit to City for approval. Coordinate location of foundation with City’s Engineering Department. City will assist with location of the underground utilities. Submit detailed drawing locating structure in relation ship to existing roadway and obstructions.

9. Aluminum round head carriage bolt with washer and nut to secure sign to aluminum angle support. Isolate from sign face. Head painted to match P-1 Red.

10. Aluminum angle to connect stiffener to “U” bolt, painted to match P-3 Bronze.

11. “U” bolt with lock nuts and bolts, painted to match P-3 Bronze.

12. Decorative accent printed to match P-2 Yellow.

13. Interpretive images and text provided by City. Text should be either ITC Franklin Gothic Std- Demi Condensed or Medium Condensed.

Digital artwork available from City.
PED.03
Interpretive Sign

1. 1/4” thick phenolic graphics panel with high resolution digital image. Field printed to match P-1 Red. Laminate to 1/8” aluminum backup plate, painted to match P-1 Red.

2. Drilled hole to receive mounting bolt.

3. 3” diameter aluminum post and cap, powder-coated to match P-3 Bronze.

4. 1/2” aluminum ring welded to post and painted to match P-3 Bronze.

5. Fabricated aluminum base covers painted to match P-3 Bronze. When located in pedestrian pathways, provide a base as wide as the width of the sign to satisfy ADA requirements.

6. Provide leveling grout where necessary.

7. Cast-in anchors from sign base into concrete.

8. 3000 PSI reinforced concrete foundation. Fabricator to provide engineering calculations and drawings for all foundations and submit to City for approval. Coordinate location of foundation with City’s Engineering Department. City will assist with location of the underground utilities. Submit detailed drawing locating structure in relation to existing roadway and obstructions.

9. Aluminum round head carriage bolt with washer and nut to secure sign to aluminum angle support. Isolate from sign face. Head painted to match P-1 Red.

10. Aluminum angle to connect stiffener to “U” bolt, painted to match P-3 Bronze.

11. “U” bolt with lock nuts and bolts, painted to match P-3 Bronze.

12. Decorative accent printed to match P-2 Yellow.

13. Interpretive images and text provided by City. Text should be either ITC Franklin Gothic Std- Demi Condensed or Medium Condensed.

Digital artwork available from City.
PED.03
Interpretive Sign

1. 1/4" thick phenolic graphics panel with high resolution digital image. Field printed to match P-1 Red. Laminate to 1/8" aluminum backup plate, painted to match P-1 Red.

2. Drilled hole to receive mounting bolt.

3. 3" diameter aluminum post and cap, powder-coated to match P-3 Bronze.

4. 1/2" aluminum ring welded to post and painted to match P-3 Bronze.

5. Fabricated aluminum base covers painted to match P-3 Bronze. When located in pedestrian pathways, provide a base as wide as the width of the sign to satisfy ADA requirements.

6. Provide leveling grout where necessary.

7. Cast-in anchors from sign base into concrete.

8. 3000 PSI reinforced concrete foundation. Fabricator to provide engineering calculations and drawings for all foundations and submit to City for approval. Coordinate location of foundation with City’s Engineering Department. City will assist with location of the underground utilities. Submit detailed drawing locating structure in relation ship to existing roadway and obstructions.

9. Aluminum round head carriage bolt with washer and nut to secure sign to aluminum angle support. Isolate from sign face. Head painted to match P-1 Red.

10. Aluminum angle to connect stiffener to "U" bolt, painted to match P-3 Bronze.

11. "U" bolt with lock nuts and bolts, painted to match P-3 Bronze.

12. Decorative accent printed to match P-2 Yellow.

13. Interpretive images and text provided by City. Text should be either ITC Franklin Gothic Std- Demi Condensed or Medium Condensed.

Digital artwork available from City.
PED.04 - Used to identify public facilities and visitor amenities in the Georgetown area. This sign will be mounted to an existing structure. Locate to provide maximum visibility from two directions.
PED.04
Building Flag

1. Fabricated aluminum box bent to form mounting to "T" bracket. Painted to match P-1 Red.

2. Field that mounts to "T" bracket painted to match P-3 Bronze.

3. Aluminum nut and bolt with locking washers. Painted to match P-3 Bronze.

4. Decorative accent painted to match P-2 Yellow.

5. 1/4" aluminum "T" bracket, slotted and predrilled to receive flange mounting bolt. Painted to match P-3 Bronze.


7. Reinforce existing wall, if necessary, to receive mechanically fastened bracket.

8. Refer to Symbol Standards on Page 4.3 for symbol colors.
PED.04
Building Flag

1. Fabricated aluminum box bent to form mounting to “T” bracket. Painted to match P-1 Red.

2. Field that mounts to “T” bracket painted to match P-3 Bronze.

3. Aluminum nut and bolt with locking washers. Painted to match P-3 Bronze.

4. Decorative accent painted to match P-2 Yellow.

5. 1/4” aluminum “T” bracket, slotted and predrilled to receive flange mounting bolt. Painted to match P-3 Bronze.


7. Reinforce existing wall, if necessary, to receive mechanically fastened bracket.

8. Refer to Symbol Standards on Page 4.3 for symbol colors.
**PED.04 Building Flag**

1. Fabricated aluminum box bent to form mounting to “T” bracket. Painted to match P-1 Red.

2. Field that mounts to “T” bracket painted to match P-3 Bronze.

3. Aluminum nut and bolt with locking washers. Painted to match P-3 Bronze.

4. Decorative accent painted to match P-2 Yellow.

5. 1/4” aluminum “T” bracket, slotted and predrilled to receive flange mounting bolt. Painted to match P-3 Bronze.


7. Reinforce existing wall, if necessary, to receive mechanically fastened bracket.

8. Refer to Symbol Standards on Page 4.3 for symbol colors.
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PED.05
Pedestrian Trailblazer

1. 0.80 aluminum sign panel painted to match P-1 Red.

2. Decoration painted to match P-2 Yellow.

3. Drilled hole to receive mounting bolt.

4. 3” diameter aluminum post and cap, powder-coated to match P-3 Bronze.

5. TXDOT-approved breakaway connection.

6. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

7. Galvanized steel or stainless steel lag bolt. Isolate from face. Paint head to match P-1 Red.

Stainless steel adjustable strap may be used as an alternate mounting.

8. Existing utility pole.

9. Aluminum round head carriage bolt with washer and nut to secure sign to aluminum angle support. Isolate from sign face. Head painted to match P-1 Red.

10. Aluminum angle to connect stiffener to “U” bolt, painted to match P-3 Bronze.

11. “U” bolt with lock nuts and bolts, painted to match P-3 Bronze.

12. Arrow cut out of vinyl field to match V-1 Reflective White.

13. Vinyl text to match V-1 Reflective White.

14. Refer to Symbol Standards on Page 4.3 for symbol colors.

Digital artwork available from City.
**PED.05 Pedestrian Trailblazer**

1. 0.80 aluminum sign panel painted to match P-1 Red.

2. Decoration painted to match P-2 Yellow.

3. Drilled hole to receive mounting bolt.

4. 3” diameter aluminum post and cap, powder-coated to match P-3 Bronze.

5. TXDOT-approved breakaway connection.

6. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

7. Galvanized steel or stainless steel lag bolt. Isolate from face. Paint head to match P-1 Red.

   Stainless steel adjustable strap may be used as an alternate mounting.

8. Existing utility pole.

9. Aluminum round head carriage bolt with washer and nut to secure sign to aluminum angle support. Isolate from sign face. Head painted to match P-1 Red.

10. Aluminum angle to connect stiffener to “U” bolt, painted to match P-3 Bronze.

11. “U” bolt with lock nuts and bolts, painted to match P-3 Bronze.

12. Arrow cut out of vinyl field to match V-1 Reflective White.

13. Vinyl text to match V-1 Reflective White.

14. Refer to Symbol Standards on Page 4.3 for symbol colors.

Digital artwork available from City.
**PED.05**

**Pedestrian Trailblazer**

1. 0.80 aluminum sign panel painted to match P-1 Red.

2. Decoration painted to match P-2 Yellow.

3. Drilled hole to receive mounting bolt.

4. 3” diameter aluminum post and cap, powder-coated to match P-3 Bronze.

5. TXDOT-approved breakaway connection.

6. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

7. Galvanized steel or stainless steel lag bolt. Isolate from face. Paint head to match P-1 Red.

   Stainless steel adjustable strap may be used as an alternate mounting.

8. Existing utility pole.

9. Aluminum round head carriage bolt with washer and nut to secure sign to aluminum angle support. Isolate from sign face. Head painted to match P-1 Red.

10. Aluminum angle to connect stiffener to “U” bolt, painted to match P-3 Bronze.

11. “U” bolt with lock nuts and bolts, painted to match P-3 Bronze.

12. Arrow cut out of vinyl field to match V-1 Reflective White.

13. Vinyl text to match V-1 Reflective White.

14. Refer to Symbol Standards on Page 4.3 for symbol colors.

Digital artwork available from City.
1. 0.80 aluminum sign panel painted to match P-1 Red.

2. Decoration painted to match P-2 Yellow.

3. Drilled hole to receive mounting bolt.

4. 3" diameter aluminum post and cap, powder-coated to match P-3 Bronze.

5. TXDOT-approved breakaway connection.

6. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

7. Galvanized steel or stainless steel lag bolt. Isolate from face. Paint head to match P-1 Red.

Stainless steel adjustable strap may be used as an alternate mounting.

8. Existing utility pole.

9. Aluminum round head carriage bolt with washer and nut to secure sign to aluminum angle support. Isolate from sign face. Head painted to match P-1 Red.

10. Aluminum angle to connect stiffener to “U” bolt, painted to match P-3 Bronze.

11. “U” bolt with lock nuts and bolts, painted to match P-3 Bronze.

12. Arrow cut out of vinyl field to match V-1 Reflective White.

13. Vinyl text to match V-1 Reflective White.

14. Refer to Symbol Standards on Page 4.3 for symbol colors.

Digital artwork available from City.
**PED.05**

**Pedestrian Trailblazer**

1. 0.80 aluminum sign panel painted to match P-1 Red.

2. Decoration painted to match P-2 Yellow.

3. Drilled hole to receive mounting bolt.

4. 3” diameter aluminum post and cap, powder-coated to match P-3 Bronze.

5. TXDOT-approved breakaway connection.

6. Drilled or spread footing foundation. Provide appropriate design based on underground utilities.

7. Galvanized steel or stainless steel lag bolt. Isolate from face. Paint head to match P-1 Red.

   Stainless steel adjustable strap may be used as an alternate mounting.

8. Existing utility pole.

9. Aluminum round head carriage bold with washer and nut to secure sign to aluminum angle support. Isolate from sign face. Head painted to match P-1 Red.

10. Aluminum angle to connect stiffener to “U” bolt, painted to match P-3 Bronze.

11. “U” bolt with lock nuts and bolts, painted to match P-3 Bronze.

12. Arrow cut out of vinyl field to match V-1 Reflective White.

13. Vinyl text to match V-1 Reflective White.

14. Refer to Symbol Standards on Page 4.3 for symbol colors.

Digital artwork available from City.
**BID CHECKLIST**

Use this process each time a sign project is released for competitive bid.

**Documents**

- Read the Usage at the beginning of each sign type to determine the sign type(s) needed.
- Prepare a Quantity list so Bidders know how many signs you need.
- Prepare Message Schedule for each sign type needed. This is a list of what each sign will say.
- Provide a Sign Location for each sign. This may be a narrative or a drawing.

- Assemble the following Standards documents:
  - All drawings pages (including color) relating to the sign types. **Remember, each sign contains multiple drawings.**
  - Copy the entire “Section 3: Construction Standards” from Standards Manual.
  - Copy the entire “Section 4: Graphic Standards” from Standards Manual.
  - Any special City Bidding Conditions.
- Assemble City Bidding Requirements
- Prepare a Project Schedule with Bid Due Dates and Project Completion Dates
  - ! Allow a minimum of 14 working days for bid.
  - ! Allow a minimum of 12 weeks for fabrication for each signage project. Major projects such as the entry features may require longer schedules.

**Bids & Bidders**

- Refer to potential bidders in the Standard Manual. Send all “Documents” to the Bidders you choose.
- Upon receipt of bids, conduct a Bid Review.
  - Review Schedule submitted by Bidders.
  - Request from the Bidder the names of the subcontractor if applicable.
- Schedule a Pre-Fabrication Meeting with the successful Bidder(s).
CITY OF GEORGETOWN
Signage Message Schedule Form
Date:

<table>
<thead>
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<th>Item Num.</th>
<th>Sign Type</th>
<th>Message</th>
<th>Comments</th>
<th>Location</th>
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CITY OF GEORGETOWN  
Signage Message Schedule Form  
Date:  August 31, 2005

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<td>VEH.02</td>
<td>(Arrow Left) Historic Downtown</td>
<td>Attach to existing utility pole.</td>
<td>Coordinate with utility company.</td>
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<td>VEH.02</td>
<td>(Parking Symbol) Ninth &amp; Main</td>
<td>Mount on new post.</td>
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<td>3</td>
<td>PED.04</td>
<td>(Men/Women Symbol) (Phone Symbol)</td>
<td>Coordinate with Visitor Center</td>
<td>North side of Visitor Info Center, near west corner</td>
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CITY OF GEORGETOWN
Signage Sign Count Form
Date:

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<th>Sign Type</th>
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<td>PED.04</td>
<td>Wall-Mounted Directory</td>
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RECOMMENDED VENDORS

Babendure Design Group and The City of Georgetown recommend the following signage fabricators, based on their capabilities and previous experience:

**Accent Graphics**

Jack Muldoon  
523 E. Rock Island Rd.  
Grand Prairie, TX 75050  
972-399-0333  
jack@accentgraphicsinc.com

**Affordable Signs**

1009 S. Austin Ave.  
Georgetown, TX 78626  
512-869-7446

**ASI Modulex**

Raymond Peak  
8181 Jetstar Suite 110  
Irving, TX 75063  
972-915-3800

**Baker Signs & Designs**

40212 Industrial Park Circle  
Georgetown, TX 78626  
512-863-8790

**Casteel & Associates**

Warren Casteel  
10031 Monroe Dr # 105  
Dallas, TX 7752  
214-352-7446  
warrnc@casteelsign.com

**GraphTec**

Mike Cheramie  
8411 Rannie Rd.  
Houston, TX 77080  
713-690-9999  
mikec@graphtecinc.com

**Morrison Sign Company**

Bryan Morrison  
3108 Garden Brook Drive  
Dallas, TX 75234  
972-247-7160  
bryan@morrisonsign.com

**Sign Resource Management**

3000 Dawn Dr.  
Georgetown, TX 78628  
512-863-9929