

Section 01580

PROJECT IDENTIFICATION SIGNS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Project identification sign description.
- B. Project sign installation.
- C. Maintenance and removal of project sign.

1.02 MEASUREMENT AND PAYMENT

- A. Unit Prices:
 - 1. No separate payment will be made for Work included in this Section. Include cost of project identification signs in overhead cost.
 - 2. Relocate skid-mounted signs as directed by City Engineer at no additional cost to City. Relocate post-mounted signs once, if directed in writing by City Engineer, at no additional cost to City. If a post-mounted sign is relocated more than once at written direction of City Engineer, payment for relocation will be made by change order.
- B. Stipulated Price (Lump Sum). If Contract is a Stipulated Price Contract, payment for work in this Section is included in total Stipulated Price.

1.03 SYSTEM DESCRIPTION

- A. Sign Construction: Construct project identification signs of new materials. Construct post-mounted signs as shown on Standard Detail Drawing No_____ - Construction Sign.
- B. Appearance: Project identification signs shall be maintained to present a clean and neat look throughout project duration.
- C. Sign Manufacturer/Maker: Experienced as a professional sign company.
- D. Sign Placement: Place signs at locations as directed by City Engineer. City Engineer will provide sign placement instructions at preconstruction meeting.
 - 1. A linear project is one involving paving, overlay, sewer lines, storm drainage, or water mains that run in right-of-way over a distance. A linear project requires a project identification sign at each end of construction site.

2. Single Site or Building Projects: Provide one project identification sign.
 3. Multiple Sites: Provide one project identification sign at each site.
 4. Sign Relocation: As work progresses at each site, it may be necessary to move and relocate project identification signs. Relocate signs as directed in writing by City Engineer.
- E. Alternate Skid-mounted Sign Construction: Post-mounted signs are preferred, but skid-mounted signs are allowed, especially for projects with noncontiguous locations where work progresses from one location to another. Design skid structure so that sign will withstand a 60-mile-per-hour wind load directly to face or back of sign. Use stakes, straps, or ballast. Approval of use of skid-mounted signs shall not release Contractor from responsibility of maintaining a project identification sign on project site and shall not make City responsible for security of such signs.

1.04 SUBMITTALS

- A. Submit shop drawings under provisions of Section 01330 - Submittal Procedures.
- B. Show content, layout, lettering style, lettering size, and colors. Make sign and lettering to scale, clearly indicating condensed lettering, if used.

PART 2 PRODUCTS

2.01 SIGN MATERIALS

- A. Structure and Framing: Use new sign materials.
 1. Sign Posts: Use 4-inch by 4-inch pressure treated wood posts, 9-feet long for skid mounting and 12-feet long minimum for in-ground mounting.
 2. Skid Bracing: 2-inch by 4-inch wood framing material.
 3. Skid Members: 2-inch by 6-inch wood framing material.

4. Fasteners:
 - a. Use galvanized steel fasteners.
 - b. Use 2-inch by 5 ½-inch button head carriage bolts to attach sign to posts. Secure with nuts and flat head washers at locations shown on Standard Detail Drawing No. _____ - Construction Sign.
 - c. Cover button heads with white reflective film or paint to match sign background.
 - d. Use metal brackets and braces and ¾-inch wood screws to attach sign header as shown on detail titled Construction Sign.
- B. Sign and Sign Header: Use ¾-inch thick marine plywood. Use full-size 4-foot by 8-foot sheet for sign and a single piece for header to minimize joints; do not piece wood to fabricate sign face.
- C. Paint and Primers: White paint used to prime surfaces and to resist weathering shall be an industrial grade, fast-drying, oil-based paint with gloss finish. Paint structural and framing members white on all sides and edges to resist weathering. Paint sign and sign header material white on all sides and edges to resist weathering. Paint all sign surfaces with this weather-protective paint prior to adding any adhesive applications.
- D. Colors:
 1. Sign Background: Sign background shall be industrial grade, reflective white. Use 3M Scotchlite Engineer Grade, Pressure Sensitive Sheeting (White), or approved equal.
 2. Border: Add 2 inch-wide red border around area which designates project name and project amount. For border, use industrial grade reflective red. Use 3M Scotchlite Engineer Grade, Pressure Sensitive Sheeting (Red), or approved equal.
 3. Sign Film: Make legends, symbols, lettering, and artwork from 3M Scotchcal Pressure Sensitive Films, or approved equal. Match colors to following 3M Scotchcal Pressure Sensitive Films.
 - a. Lettering Below Seal: Black
 - b. Lettering Above Project Name: Vivid Blue
 - c. Lettering on Blue Background: White
 - d. Background Behind Project Name: Vivid Blue
- E. City Seal: City Engineer will provide City seals to Contractor, as needed.

2.02 SIGN LAYOUT

A. Lettering:

1. Style, Size, and Spacing: Prepare sign using uppercase Helvetica Regular lettering of height and spacing shown on Standard Detail Drawing No. _____ - Construction Sign.
2. Condensed Style: Lettering for variable text may be condensed if needed to maintain sign composition.

B. Composition:

1. Lines with Standard Text

- a. The top line reads BUILDING TOGETHER FOR THE FUTURE on all construction signs.
- b. The lower left of sign below City Seal is used to list names and titles for Mayor, Controller and Council Members. These lines will be placed exactly as shown on Drawings with same size and spacing as indicated.
- c. The information telephone number of Customer Response Center for Department of Public Works and Engineering is centered near bottom of area with blue background.

2. Lines with Variable Text. On blue background is space for project name and dollar amount for project construction.

- a. City Engineer will provide project name to Contractor for preparation of sign. Project name is centered on one or two lines in area with blue background. Lettering may be condensed, if necessary.
- b. City Engineer will provide Contractor with projects dollar value rounded to nearest \$1000 for preparation of sign. Dollar amount is centered on one line in area with blue background and immediately below project name.

2.03 LAYOUT AND COMPOSITION FOR HEADER

A. City of Tomball Seal:

1. A space approximately 24 inches in diameter is allowed for City seal, top 6 inches of which extends above sign on a sign header.
2. Construct sign header of same material as sign face. Cut it to match curve of City seal. Affix it as indicated on Standard Detail Drawing No. _____ Construction Sign.

3. City Engineer will provide Contractor with seal. Affix seal to sign by sign maker.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install project identification signs within 7 calendar days after Date of Commencement.
- B. Erect signs where designated by City Engineer at preconstruction meeting. Position sign in such a manner as to be fully visible and readable to general public.
- C. Erect sign level and plumb.
- D. If mounted on posts, sink posts 3 feet to 4 feet below grade. Stabilize posts to minimize lateral motion. Leave a minimum of 8 feet of post above existing grade for mounting of sign.
- E. Erect sign so that top edge of sign is at a nominal 8 feet above existing grade.

3.02 MAINTENANCE AND REMOVAL

- A. Keep signs and supports clean. Repair deterioration and damage.
- B. Remove signs, framing, supports, and foundations to a depth of 2 feet upon completion of Project. Restore area to a condition equal to or better than before construction.

END OF SECTION

GFS NO: (FILE NO:)	CONTRACTOR CONTACT:	REVIEWED BY:
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***INSTRUCTIONS TO SIGN MAKER** (LIST COMPANY NAME):

QTY.	ACTION ITEMS:
	Make new sign(s)
	Follow City standards attached
	Provide submittal (drawing) to City for project sign showing content, layout, lettering style, lettering size, and colors

VARIABLE TEXT

Line 1	Project Name:	
Line 2	Project Amount (rounded to nearest \$1000):	

ATTACHMENTS INCLUDED

QTY.	SEALS / LOGOS
	City of Tomball - 24" diameter
	STANDARDS
	Standard Specification Section 01580 - Project Identification Signs
	Standard Detail 01580-02 Construction Sign

(Instructions on reverse.)

INSTRUCTIONS

This form is produced by the Contractor. The Contractor shall insert the information and provide the form to the sign maker with the Contractor's purchase order.

List GFS NO., (FILE NO.), Name of CONTRACTOR CONTACT, and name of City's Project Manager REVIEWED BY.

INSTRUCTIONS TO SIGN MAKER:

- # Give COMPANY NAME of sign maker.
- # Indicate QUANTITY of new signs to be made.
- # Direction for sign maker to follow City Standards in making signs.
- # Require submittals from sign maker, who provides shop drawing of Project sign showing content, layout, lettering style, lettering size, and colors.

VARIABLE TEXT:

- # Give PROJECT NAME. Write it out in all caps and suggest line break. Lines are required.
- # Give project amount to be listed on sign. Round off to nearest \$1000.

ATTACHMENTS INCLUDED:

Seals

City provides the quantity of City seals required, one for each project sign.

Standards

Contractor provides set of Standards to sign maker, including (Specification Section 01580 - Project Identification Signs, and Standard Detail Drawing No. 01580-02 - Construction Sign.