CITY OF DALLAS, TEXAS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGN STANDARDS
AUGUST 2018

APPROVED:

Auro Majumdar, P.E., P.T.O.E
ASSISTANT DIRECTOR, CITY TRAFFIC ENGINEER

Michael Rogers, PWLF
DIRECTOR
1. The existing signs located on public construction sites are the property of the City of Dallas. Throughout the period of the contract, the contractor shall protect these signs such that they are not damaged in the course of construction activity.

2. Prior to the start of construction, all existing signs within the area of construction will be inventoried and documented jointly by the city inspector and the contractor. This document will be jointly signed by both parties reflecting the sign type, sign size, sign condition, sign location, reflectivity adequacy, etc. The contractor is held accountable for these signs throughout the project and at the completion of the project.

3. All ground mounted and overhead signs shall use ANSI standard B2152B aluminum blanks.

4. All blanks to be installed shall be 5052-H38 aluminum (ASTM B-209).

5. The thickness for all sign blanks is 0.080" except overhead street name blades which is 0.100".

6. All holes shall be 3/8" diameter drilled or punched as shown on each blank detail and shall be free of burrs and / or rough edges.

7. All sign face materials shall be ASTM-4956 Type XI Full Cube Prismatic Grade Retroreflective sheeting or equivalent.

8. All streetname signs shall have 1/4" diameter holes drilled on each end.

9. Sign blank corners to be rounded as shown on sheet 5.

10. All sign blank are to be etched, degreased, and have an alodine finish prior to application of legends.

11. All signs shall be manufactured and installed in conformance to the latest City of Dallas sign standards.

12. Before fabricating the street name blades, the contractor shall submit shop drawing to transportation operations staff for review and approval.

13. A full length red retro reflective strip shall be applied to stop sign and yield sign posts.


15. All school zone warning signs shall have fluorescent yellow green backgrounds.

16. A full length fluorescent yellow green retro reflective strip shall be applied to all school sign posts.

17. If a traffic sign is not shown on sheets 6 & 7, refer to standard highway sign designs for Texas available at https://www.txdot.gov/inside-txdot/forms-publications/publications/highway-signs.html or contact transportation operations staff at 214-670-6904 for guidance.

18. All details are not to scale.
TYPICAL HARD SURFACE INSTALLATION GALVANIZED SIGN BASE
(USED ONLY WHEN UNDERGROUND CONDITIONS PROHIBIT USE OF STANDARD ANCHOR SLEEVE
– APPROVAL FROM TRANSPORTATION OPERATIONS STAFF NEEDED PRIOR TO USE)

NOTES:
1. MATERIAL: ASTM A-535 GRADE 65-45-12 DUCTILE IRON
2. HOT DIP GALVANIZE PER ASTM A-153
3. ALL DIMENSIONS ARE IN INCHES

1/2" FLAT WASHERS, LOW CARBON, SAE, ZINC PLATED

SHEET WASHERS

<table>
<thead>
<tr>
<th>SIZE</th>
<th>ID</th>
<th>OD</th>
<th>THICKNESS–TH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2</td>
<td>0.518</td>
<td>0.615</td>
<td>0.068</td>
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</tbody>
</table>

DIMENSIONS ASME B18.21.1, TYPE A Plain WASHERS
MATERIAL: CARBON STEEL
FINISH: Fe/2x Sat PER ASTM F1941

HEX NYLON INSERT LOCKNUTS (NE), GRADE 8, YELLOW ZINC PLATED

<table>
<thead>
<tr>
<th>SIZE</th>
<th>LENGTH</th>
<th>MATERIAL</th>
<th>GRADE</th>
<th>THREAD</th>
<th>COATING</th>
<th>HOT DIP ZINC PER ASTM F2392 OR IN ACCORDANCE WITH CLASS C OF ASTM A153 AND CLASS D FOR 3/4&quot; DIAMETER AND LESS</th>
</tr>
</thead>
</table>

CITY OF DALLAS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGN BASE DETAILS

APPROVED BY:
AURO MAJUMDAR, P.E., P.T.O.E.
CITY TRAFFIC ENGINEER

EFF DATE: Aug, 2018
SHEET 2
D3-1 STREET NAME SIGN

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEIGHT</td>
<td>9&quot;</td>
</tr>
<tr>
<td>LENGTH</td>
<td>30&quot;, 36&quot;, 42&quot; OR 48&quot;</td>
</tr>
<tr>
<td>THICKNESS</td>
<td>0.080&quot;</td>
</tr>
<tr>
<td>SUBSTRATE</td>
<td>ALUMINUM ALLOY, 5052-H38 (ASTM B-209)</td>
</tr>
<tr>
<td>SIGN FACE MATERIAL</td>
<td>GREEN FILM OVER ASTM-4956 TYPE XI FULL CUBE PRISMATIC GRADE RETROREFLECTIVE SHEETING OR EQUIVALENT</td>
</tr>
<tr>
<td>SIGN FONT</td>
<td>CLEARVIEW HWY 3W</td>
</tr>
<tr>
<td>COLOR</td>
<td>LETTERS - WHITE REFLECTIVE BACKGROUND – GREEN FILM</td>
</tr>
</tbody>
</table>

D3-1 STREET NAME SIGN DIMENSIONS

D3-1 GROUND MOUNTING DETAIL

NOTES:
1. TEXT SHALL START 2" FROM THE LEFT EDGE
2. STREETNAME SHALL BE CENTERED
3. 1" MIN. SPACE BETWEEN STREET NAME LETTERS
4. SUFFIX AND BLOCK NUMBER MUST BE LOCATED 2" FROM STREET NAME AND 2" FROM THE RIGHT EDGE, SUFFIX AT TOP AND BLOCK NUMBER AT BOTTOM, 3" SPACE BETWEEN THEM.
5. LETTERS AND/OR NUMBERS SPACES IN THE SUFFIX AND BLOCK NUMBER MUST BE 1.5" MIN
6. BLOCK NUMBER MUST HAVE 1" SPACE FROM THE BLADE EDGE
7. ALL DIMENSIONS ARE IN INCHES.
8. SIGN LENGTH WILL BE DICTATED BY THE NUMBER OF LETTERS IN THE NAME
**D3-1 OVERHEAD SIGN PANEL DIMENSIONS**

| HEIGHT | 24" |
|LENGTH | 72", 84", 96", 108", or 120" |
|THICKNESS | 0.100" |
|SUBSTRATE | ALUMINUM ALLOY, 5052-H38 (ASTM B-209) |
|SIGN FACE MATERIAL | GREEN FILM OVER ASTM-4956 TYPE XI FULL CUBE PRISMATIC GRADE RETROREFLECTIVE SHEETING OR EQUIVALENT |
|SIGN FONT | CLEARVIEW HWY 5W |
|COLOR | LETTERS - WHITE REFLECTIVE, BACKGROUND - GREEN FILM |

**DETAILS FOR MOUNTING TRAFFIC SIGNS ON SIGNAL MAST ARMS AND POLES**

**DETAILS FOR PLACEMENT OF OVERHEAD STREET NAME BLADES ON MAST ARMS**

**OVERHEAD STREET NAME BLADE (D3-1) DETAILS**

**NOTE:** SIGN LENGTH WILL BE DICTATED BY THE NUMBER OF LETTERS IN THE NAME. THE HEIGHT SHALL BE 24"
TYPICAL SIGN PLACEMENTS ON SIGNAL MAST ARMS

TWO-WAY STOP CONTROL INTERSECTION

ALL-WAY STOP CONTROL INTERSECTION

REGULATORY SIGN  STREET NAME BLADE
TRAFFIC SIGN BLANK DIMENSIONS

NOTES:
ALL DIMENSIONS ARE IN INCHES
R ( ) – RADIUS OF THE ROUNDED CORNER
T – THICKNESS OF SIGN BLANK

CITY OF DALLAS
DEPARTMENT OF TRANSPORTATION

APPROVED BY:
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CITY TRAFFIC ENGINEER

EFF DATE: Aug, 2018
SHEET 5
These signs require a clear ultraviolet and anti-graffiti protective film.

**Regulatory Signs**

- **Stop**
- **All Way**
- **Yield**
- **Do not enter**
- **No turn on red**
- **Do not block intersection**
- **Left on green arrow only**
- **Left lane only**
- **Right lane only**
- **Use crosswalk**
- **End school zone**
- **School ahead**
- **Wireless communication device use prohibited subject to fine**
- **Use when roadway has 6 or more lanes**
- **Use fluorescent yellow / green background for signs 256, 400, 410, 401, 402, 412**

**School Signs**

- Refer to Standard Highway Sign Designs for Texas for color details.

**Legend**

- 24" x 18" - Size
- S4-1D - TMUTCD (Texas Manual of Uniform Traffic Control Devices) Code
- 081 - Dallas Sign Inventory Code

**City of Dallas**

Department of Transportation

Traffic Sign Legends and Identification Codes

Approved by: Auro Majumdar, P.E., P.T.O.E.

City Traffic Engineer

Eff Date: Aug, 2018

Sheet 6

If a traffic sign is not shown here, refer to standard highway sign designs for Texas available at [https://www.txdot.gov/inside-txdot/forms-publications/publications/highway-signs.html](https://www.txdot.gov/inside-txdot/forms-publications/publications/highway-signs.html) or contact Transportation Operations Staff at 214-670-6904 for guidance.
WARNING SIGNS
USE FLUORESCENT YELLOW BACKGROUND

Legend
24" x 18" - size
S4-1D - TMUTCD (Texas Manual of Uniform Traffic Control Devices) Code
081 - Dallas Sign Inventory Code

If a traffic sign is not shown here, refer to Standard Highway Sign Designs for Texas available at https://www.txdot.gov/inside-txdot/forms-publications/publications/highway-signs.html or contact Transportation Operations Staff at 214-670-6904 for guidance.

City of Dallas
Department of Transportation

Traffic Sign Legends and Identification Codes

Approved by: Auro Majumdar, P.E., P.T.O.E.
City Traffic Engineer

Effective Date: Aug, 2018
Sheet 7
ALL DIMENSIONS ARE IN INCHES
IF THE DIMENSION HAS A LETTER SUFFIX, IT INDICATES THE HIGHWAY FONT SERIES

DIMENSIONS- REGULATORY SIGNS

R1-1

STOP

R1-3P

ALL WAY

R1-2

YIELD

R5-1

DO NOT ENTER

R10-11

NO TURN ON RED

R10-7

DO NOT BLOCK INTERSECTION

CITY OF DALLAS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGN DIMENSIONS

APPROVED BY:
AURO MAUJUMDAR, P.E., P.T.O.E.
CITY TRAFFIC ENGINEER

EFF DATE:
Aug, 2018

SHEET 8
DIMENSIONS- REGULATORY SIGNS

R3-1

R3-2

R3-4

R9-3

R5-2

ALL DIMENSIONS ARE IN INCHES
IF THE DIMENSION HAS A LETTER SUFFIX, IT INDICATES THE HIGHWAY FONT SERIES

CITY OF DALLAS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGN DIMENSIONS

APPROVED BY:
AURO MAJMUDAR, P.E., P.T.O.E.
CITY TRAFFIC ENGINEER

EFF DATE: Aug, 2018
SHEET 9
DIMENSIONS- REGULATORY SIGNS

079

197

198

THE DIMENSIONS FOR SIGN 198 ARE SAME AS 197 UNLESS OTHERWISE NOTED

R3-5R

R3-5L (Same as R3-5R)

R5

ONLY

LEFT LANE

RIGHT LANE

EXCEPT DELIVERIES

ONLY

ALL DIMENSIONS ARE IN INCHES

IF THE DIMENSION HAS A LETTER SUFFIX, IT INDICATES THE HIGHWAY FONT SERIES

A B C D E F G H J K L M N

30 36 .5 75 5.75 5.75 5 3.75 2.5 6D 3.75 9.5 1.875

USE CLEARVIEW HIGHWAY 3W FONT FOR 079, 197 & 198 SIGNS

CITY OF DALLAS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGN DIMENSIONS

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CITY TRAFFIC ENGINEER

EFF DATE:
Aug, 2018

SHEET
10
DIMENSIONS- REGULATORY SIGNS

R3-9b

CENTER LANE
ONLY

R3-8L

ONLY

R10-5L

LEFT ON GREEN ARROW ONLY

R2-1

SPEED LIMIT 50

SHEET 11

USE CLEARVIEW HIGHWAY 3W FONT FOR SIGN 084

ALL DIMENSIONS ARE IN INCHES
IF THE DIMENSION HAS A LETTER SUFFIX, IT INDICATES THE HIGHWAY FONT SERIES

CITY OF DALLAS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGN DIMENSIONS

APPROVED BY:
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CITY TRAFFIC ENGINEER

EFF DATE:
Aug, 2018

084
DIMENSIONS- REGULATORY SIGNS

127

R6-2R

R9-3bPR

R6-2L

(Same as R6-2R)

R9-3bPL

(Same as R9-3bPR)

R10-6aL

(Same as R10-6aR)

USE HIGHWAY FONT SERIES D FOR SIGN 127

ARROW DETAIL

ALL DIMENSIONS ARE IN INCHES
IF THE DIMENSION HAS A LETTER SUFFIX, IT INDICATES THE HIGHWAY FONT SERIES

USE CROSSWALK

CITY OF DALLAS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGN DIMENSIONS

APPROVED BY:
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CITY TRAFFIC ENGINEER

EFF DATE:
Aug, 2018

SHEET
12
DIMENSIONS- REGULATORY SIGNS

ALL DIMENSIONS ARE IN INCHES
IF THE DIMENSION HAS A LETTER SUFFIX, IT INDICATES THE HIGHWAY FONT SERIES

FOR SIGNS 221, 226, 229 & 258, USE HIGHWAY FONT SERIES E (MODIFIED) FOR THE "P", & HIGHWAY FONT SERIES C FOR ALL OTHER TEXT

CITY OF DALLAS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGN DIMENSIONS

APPROVED BY: AURO MAJUMDER, P.E., P.T.O.E.
CITY TRAFFIC ENGINEER

EFF DATE: Aug, 2018
SHEET 13
DIMENSIONS- SCHOOL SIGNS

FOR SIGN 081, USE HIGHWAY FONT SERIES D
FOR SIGN 099, USE CLEARVIEW 1B
FOR SIGN 086, USE CLEARVIEW 4B

CITY OF DALLAS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGN DIMENSIONS

APPROVED BY:
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CITY TRAFFIC ENGINEER

EFF DATE:
Aug, 2018

SHEET
14
DIMENSIONS- WARNING SIGNS

W1-2R

W2-2

W2-1

W10-1

154 FOR SIGN 154, USE CLEARVIEW 3B

ALL DIMENSIONS ARE IN INCHES
IF THE DIMENSION HAS A LETTER SUFFIX, IT INDICATES THE HIGHWAY FONT SERIES
DIMENSIONS- WARNING SIGNS

W1-8

W6-1

072

W4-4P

W13

W4-4P

ALL DIMENSIONS ARE IN INCHES
IF THE DIMENSION HAS A LETTER SUFFIX, IT INDICATES THE HIGHWAY FONT SERIES
DIMENSIONS- WARNING SIGNS

W1-6

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
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<tbody>
<tr>
<td>48</td>
<td>24</td>
<td>.5</td>
<td>.75</td>
<td>19.5</td>
<td>6.5</td>
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W1-7

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<th>C</th>
<th>D</th>
<th>E</th>
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W11-2

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<th>D</th>
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<td>.75</td>
<td>13.5</td>
<td>1.875</td>
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</table>

ALL DIMENSIONS ARE IN INCHES
IF THE DIMENSION HAS A LETTER SUFFIX, IT INDICATES THE HIGHWAY FONT SERIES