GENERAL NOTES

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 B2Q528 ALUMINUM BLANKS.

4. ALL BLANKS TO BE INSTALLED SHALL BE 5052-H38 ALUMINIUM (ASTM B-209).

5. THE THICKNESS FOR ALL SIGN BLANKS IS 0.080" EXCEPT OVERHEAD STREET NAME BLADES WHICH ARE 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 AND AFFIXED TOGETHER.

9. SIGN BLANK CORNERS TO BE ROUNDED AS SHOWN ON SHEET 5.

10. ALL SIGN BLANK ARE TO BE ETHCHED, DEGREASED/EONE 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. A FULL LENGTH RED RETRO REFLECTIVE STRIP SHALL BE APPLIED TO STOP SIGN POSTS.


14. ALL SCHOOL ZONE WARNING SIGNS SHALL HAVE FLUORESCENT YELLOW GREEN BACKGROUNDS.


16. ALL DETAILS ARE NOT TO SCALE.

TYPICAL GROUND SIGN INSTALLATION

PERFORATED SQUARE METAL TUBING

TYPICAL STOP SIGN AND STREET NAME SIGN INSTALLATION

SLEEVE DETAILS

| GALVANIZED SQUARE SIGN POST EXTENSION (PERFORATED) | 1-1/2" x 1-1/2" (14 GAUGE) |
| GALVANIZED SQUARE SIGN POST (PERFORATED) | 1-3/4" x 1-3/4" (14 GAUGE) |
| GALVANIZED SQUARE SIGN POST (PERFORATED) (INNER) | 2" x 2" x 30" (14 GAUGE) |
| GALVANIZED SQUARE SIGN POST (PERFORATED) (OUTER) | 2 1/4" x 2 1/4" x 18" (14 GAUGE) |

CITY OF DALLAS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & TRAFFIC SIGN MOUNTING DETAILS

APPROVED BY:
GHASSAN KHANKARI, P.E.

EFF DATE: June 2021

SHEET 1
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-536 GRADE B5-45-12 DUCTILE IRON
2. HOT DIP GALVANIZE PER ASTM A-153
3. ALL DIMENSIONS ARE IN INCHES

TOP VIEW

SIDE VIEW

ANCHOR STUD
2" x 2"

HOLE FOR CORNER BOLTS

HARD SURFACE (CONCRETE, ASPHALT, PAVERS)

0.44" HOLE

0.56 HOLE FOR
0" x 3/8" SCREW WITH
5/8" LAG SHIELD – 3" LONG

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

SAE FLAT WASHERS

<table>
<thead>
<tr>
<th>Size</th>
<th>ID</th>
<th>Tolerance</th>
<th>OD</th>
<th>Thickness</th>
<th>TH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2</td>
<td>0.813</td>
<td>0.618, 0.813, 0.825</td>
<td>1.092, 1.093, 1.094</td>
<td>0.030, 0.031, 0.032</td>
<td>0.121, 0.122, 0.123</td>
</tr>
</tbody>
</table>

DIMENSIONS: ASME B18.21.1, TYPE A PLAIN WASHERS
MATERIAL: CARBON STEEL
FINISH: Fe/Zn 5AT PER ASTM F1841

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

8" HEX LAG SCREWS, HOT DIPPED GALVANIZED

ANCHOR LAG SHIELD - ZINC ALLOY

LACED THREAD SIZE

<table>
<thead>
<tr>
<th>Size</th>
<th>Length</th>
<th>Drilled Hole Size</th>
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<tr>
<td>3/8&quot;</td>
<td>3/8&quot;</td>
<td>3/8&quot;</td>
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</tbody>
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CITY OF DALLAS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGN BASE DETAILS

APPROVED BY:
GHASSAN KHANKARI, P.E.
EFF DATE: June 2021
SHEET 2
D3-1 STREET NAME SIGN

<table>
<thead>
<tr>
<th><strong>HEIGHT</strong></th>
<th>9&quot; SIGN BLANK (9.30&quot; DESIGNED WITH FULL BLEED)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LENGTH</strong></td>
<td>30&quot;, 36&quot;, 42&quot; OR 48&quot;</td>
</tr>
<tr>
<td><strong>THICKNESS</strong></td>
<td>0.080&quot;</td>
</tr>
<tr>
<td><strong>SUBSTRATE</strong></td>
<td>ALUMINUM ALLOY, 5052-H38 (ASTM B-209)</td>
</tr>
<tr>
<td><strong>SIGN FACE MATERIAL</strong></td>
<td>GREEN FILM OVER ASTM-4956 TYPE XI FULL CUBE PRISMATIC GRADE RETROREFLECTIVE SHEETING OR EQUIVALENT</td>
</tr>
<tr>
<td><strong>SIGN FONT</strong></td>
<td>CLEARVIEW HWY 3W</td>
</tr>
<tr>
<td><strong>COLOR</strong></td>
<td>LETTERS - WHITE REFLECTIVE BACKGROUND – GREEN FILM</td>
</tr>
</tbody>
</table>

D3-1 STREET NAME SIGN DIMENSIONS

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
9. ALL STREETNAME SIGNS SHALL HAVE 1/4" DIAMETER HOLES DRILLED ON EACH END AND AFFIXED TOGETHER.
### D3-1 OVERHEAD SIGN PANEL DIMENSIONS

<table>
<thead>
<tr>
<th>Height</th>
<th>24”</th>
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<tbody>
<tr>
<td>Length</td>
<td>72”, 84”, 96”, 108”, or 120”</td>
</tr>
<tr>
<td>Thickness</td>
<td>0.100”</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 5W</td>
</tr>
<tr>
<td>Color</td>
<td>LETTERS - WHITE REFLECTIVE, BACKGROUND – GREEN FILM</td>
</tr>
</tbody>
</table>

### Details for Mounting Traffic Signs on Signal Mast Arms and Poles

- **W-Width of the Sign 72”, 84” or 96”**
- **W-Width of the Sign 108” or 120”**

### Details for Placement of Overhead Street Name Blades on Mast Arms

### City of Dallas
Department of Transportation

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”

**APPROVED BY:**

GHASSAN KHANKARI, P.E.

**EFFECTIVE DATE:**

June 2021
**TYPICAL SIGN PLACEMENTS ON SIGNAL MAST ARMS**

**TYPICAL STREET NAME SIGN PLACEMENTS**
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

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:
GHASSAN KHANKARLI, P.E.
EFF DATE: June 2021
DIMENSIONS - REGULATORY SIGNS

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: GHASSAN KHANKARI, P.E.
EFF DATE: June 2021
SHEET 9
DIMENSIONS - REGULATORY SIGNS

079

EXCEPT DELIVERIES

197

LEFT LANE

R5 ONLY

198

RIGHT LANE

R5 ONLY

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

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

CITY OF DALLAS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGN DIMENSIONS

APPROVED BY:
GHASSAN KHANKARLI, P.E.

EFF DATE:
June 2021

SHEET
10

DIMENSIONS - REGULATORY SIGNS

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

R3-9b

CENTER LANE
ONLY

R3-8L

ONLY

R10-5L

LEFT ON GREEN ARROW
ONLY

R2-1 (SPEED LIMIT)

SPEED LIMIT
50

M4-14

BEGIN

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: GHASSAN KHANKARLI, P.E.

EFF DATE: June 2021

SHEET 11
DIMENSIONS - REGULATORY SIGNS

USE HIGHWAY FONT SERIES D FOR SIGN 127

R9-3bPR

R9-3bPL
(Same as R9-3bPR)

R6-2V

R6-2R

R6-2L
(Same as R6-2R)

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:
GHASSAN KHANKARI, P.E.

EFF DATE: June 2021

SHEET 12
DIMENSIONS - REGULATORY SIGNS

R10-6aL

(Stop Here on Red)

R10-6aR

(Same as R10-6aL)

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

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

DIMENSIONS - REGULATORY SIGNS

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

FOR SIGNS 221, 225, 226, 229 & 258, USE HIGHWAY FONT SERIES E (MODIFIED) FOR THE "P", & HIGHWAY FONT SERIES C FOR ALL OTHER TEXT

APPROVED BY:
GHASSAN KHANKARI, P.E.

EFF DATE: June 2021

TRAFFIC SIGN DIMENSIONS
DIMENSIONS - SCHOOL SIGNS

SCHOOL SPEED LIMIT 20 WHEN FLASHING

S1-1

SW16-9P

S5-1

SW16-7PL(R)

S5-2aTP

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

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

APPROVED BY: GHASSAN KHANKARLI, P.E. EFF DATE: June 2021
DIMENSIONS - WARNING SIGNS

W3-3

W3-1

W4-2R

W6-3

W1-1R

W1-1L

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: GHASSAN KHANKARLI, P.E.
EFF DATE: June 2021
SHEET 17
### DIMENSIONS - WARNING SIGNS

#### W1-2R

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<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>P</th>
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<tbody>
<tr>
<td>30</td>
<td>.5</td>
<td>.75</td>
<td>8.875</td>
<td>9.063</td>
<td>10</td>
<td>7.813</td>
<td>5.625</td>
<td>2.838</td>
<td>2.188</td>
<td>3.435</td>
<td>4.375</td>
<td>10.313</td>
<td>1.875</td>
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#### W2-2R

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<th>C</th>
<th>D</th>
<th>E</th>
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<td>30</td>
<td>5</td>
<td>.75</td>
<td>10</td>
<td>5</td>
<td>1.875</td>
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#### W2-1

<table>
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<th>C</th>
<th>D</th>
<th>E</th>
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<tbody>
<tr>
<td>30</td>
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<td>.75</td>
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<td>1.875</td>
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#### W10-1

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<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>P</th>
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<tbody>
<tr>
<td>30</td>
<td>.5</td>
<td>.75</td>
<td>15</td>
<td>7E</td>
<td>12.375</td>
<td>7.125</td>
<td>3</td>
<td></td>
<td></td>
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#### W16-9P

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<tbody>
<tr>
<td>24</td>
<td>12</td>
<td>.375</td>
<td>6.25</td>
<td>3.5</td>
<td>5C</td>
<td>1.5</td>
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</table>

**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**

---

CITY OF DALLAS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGN DIMENSIONS

APPROVED BY: GHASSAN KHANKARU, P.E.
EFF DATE: June 2021

SHEET 18
DIMENSIONS - WARNING SIGNS

FOR SIGN 072, USE HIGHWAY FONT SERIES D

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

* ALTERNATE TEXT WITH APPROVAL BY TRAFFIC OPERATIONS

CROSS TRAFFIC DOES NOT STOP

* Optically space numerals about centerline
DIMENSIONS - WARNING SIGNS

W1-6

W1-7

W11-2

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

W16-15P

W16-12P

W2-6

W2-6aT

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

TABLE:

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
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</thead>
<tbody>
<tr>
<td>30</td>
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<td>75</td>
<td>10.487</td>
<td>13.480</td>
<td>12.487</td>
<td>13.570</td>
<td>7.569</td>
<td>7.725</td>
<td>2.938</td>
<td>1.875</td>
</tr>
</tbody>
</table>

* See Symbol section for arrow design

APPROVED BY: GHASSAN KHANKARU, P.E.
EFF DATE: June 2021

CITY OF DALLAS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGN DIMENSIONS
**PLEASE CONTACT THE TRAFFIC SIGNALS SENIOR PROGRAM MANAGER FOR STANDARDS AND SPECIFICATIONS FOR THE RAPID REFLECTIVE FLASHING BEACON AND SCHOOL FLASHER ASSEMBLY.**

- **SCHOOL FLASHERS - RAPID REFLECTIVE FLASHING BEACONS**

*INSTALL A 12" WHITE TRANSVERSE LINE ACROSS THE FULL PAVEMENT WIDTH TO MARK EACH END OF ESTABLISHED REDUCED SCHOOL SPEED LIMIT WITHIN THE SCHOOL ZONE IN ACCORDANCE WITH TMUTCD SECTION 7C.03*

- 55-1 COD sign code 256 24"x48" 7' TO THE GROUND
- COD sign code 099 24"x24" 7' TO THE GROUND

**RECTANGULAR RAPID FLASHING BEACON (WRAP AROUND LIGHT BAR)**

- W11-2 COD sign code 400 30"x30" 7' TO THE GROUND
- W16-7PL COD sign code 402 24"x12" 7' TO THE GROUND

**S5-1**

- COD sign code 256 24"x48" 7' TO THE GROUND

**W11-2**

- COD sign code 400 30"x30" 7' TO THE GROUND

**W16-7PL**

- COD sign code 402 24"x12" 7' TO THE GROUND