Regional Transportation Authority

Interagency Transit Passenger Information Design Standards Manual

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RTA INTERAGENCY SIGNAGE STANDARDS MANUAL

The Regional Transportation Authority (RTA) provides funding, planning, and fiscal oversight for regional bus and rail operations in the Chicago metropolitan region. The RTA's six-county region encompasses the Illinois counties of Cook, DuPage, Kane, Lake, McHenry, and Will.

The delivery of transit services in the Chicago metropolitan region is the responsibility of three independent service agencies. The Chicago Transit Authority (CTA) provides rail rapid transit and bus services in the City of Chicago and 35 neighboring suburbs. Metra provides commuter rail service throughout the six-county region. Pace provides suburban bus services as well as Dial-a-Ride, vanpool, and ADA Paratransit services for the entire region.

One of the RTA's core missions is to provide information so our customers (both current and potential) can more easily navigate the system. Unfortunately, since transit service is delivered by three separate service providers, customers are often confronted with inconsistent messages and/or informational gaps when attempting to transfer from one service provider to another, creating confusion and reducing the attractiveness of choosing transit for regional travel.

To address this problem the Regional Transportation Authority, along with CTA, Metra, Pace, and municipal partners, have been collaborating to create a new integrated system of wayfinding signage and informational products to make transferring between transit services as easy and as seamless as possible.

To provide continued design guidance in this regard, the Regional Transportation Authority (RTA) has developed an Interagency Signage Standards Manual. The RTA Interagency Signage Standards Manual describes a related system of wayfinding signs, bus stop identification, directional information, schedules, neighborhood maps, and bus and train connection diagrams.

The Interagency Signage Standards Manual provides guidance for the development of location-specific wayfinding solutions using a family of standard sign types and customizable information products. The Manual is intended to serve as a reference for information designers and other contractors related to providing transit information for the RTA.

TABLE OF CONTENTS

Design Goals

The overall design goal of the RTA's Interagency Signage Design project is to provide transit passengers with the information they need to successfully and confidently make transfers between CTA, Metra, and Pace.

Transit passengers in the Chicago metropolitan region have access to a vast transit network, but to take full advantage of the network, passengers must be able to transfer from one transit mode to another. Wayfinding is an integral part of the total transit experience. Clear, concise, and direct wayfinding information will help transit passengers feel confident in their understanding of the transit system and their ability to successfully use all the transit modes available to them.

The goal of the RTA Interagency Signage Standards Manual is to provide guidance for the design and implementation of effective and flexible signage solutions that will meet the interagency transit users information and wayfinding needs.

General Principles

The underlying strategy for the programming of interagency signage and graphics is to provide relevant transfer information at key decision points within a station or transfer location. This strategy involves the following principles which should be considered during the placement and design of wayfinding signage and information products:

- *Simplicity and clarity of message are of primary importance.*
- *International symbols should be used in conjunction with written text wherever possible.*
- *Provide information at key decision points.*
- *Avoid placing information too early and limit repetitions.*
- *Concentrate information products along the accessible path.*
- *Consideration should be given to minimize the divergence of accessible and non-accessible pathways until absolutely necessary. Older stations and transfer locations with accessible retrofits may be more challenging than newer, more updated facilities.*
- *Avoid placement of products that require transit passengers to make U-turns or double back.*
- *Avoid placement of pedestrian signage in locations that may be inappropriate or create confusion for vehicles or cyclists.*

Standards for Wayfinding Signage and Information Products

The wayfinding signage and information products shown in this manual are provided for use as reference standards only. Whenever possible, new Interagency wayfinding signage and information products shall conform to the standards shown in this manual. Generally, information products include pre-designed headers and footers and location-specific graphics. When directed to do so by the RTA, the signage contractor shall develop content and prepare digital art files for the wayfinding signage and information products. Digital art files for the pre-designed product components and digital template files for the location-specific product components shall be provided by the RTA for the development of information products for new locations. Digital art files for wayfinding signs shall typically be developed by the signage contractor, using this manual as a guide. Digital template files owned by RTA are in Adobe Creative Suite (CS) / Creative Cloud (CC) InDesign (.indd) and Illustrator (.ai) format. If the existing standards are not compatible with the requirements at a new location, the standards may be modified. Any new designs will conform to the existing standards as closely as possible and are subject to review and approval by the RTA.

Colors, Fonts, Symbols

Colors, fonts, and symbols that were developed during the design phase should be used in a manner consistent with this manual and the digital template files provided by the RTA. The font used in all products is Helvetica LT Standard: Roman, Bold, and Oblique. More information on colors, fonts, and symbols is provided in Part A of this manual. Pre-designed product components, including headers and footers, should be included in the graphics as shown in this manual to ensure consistency.

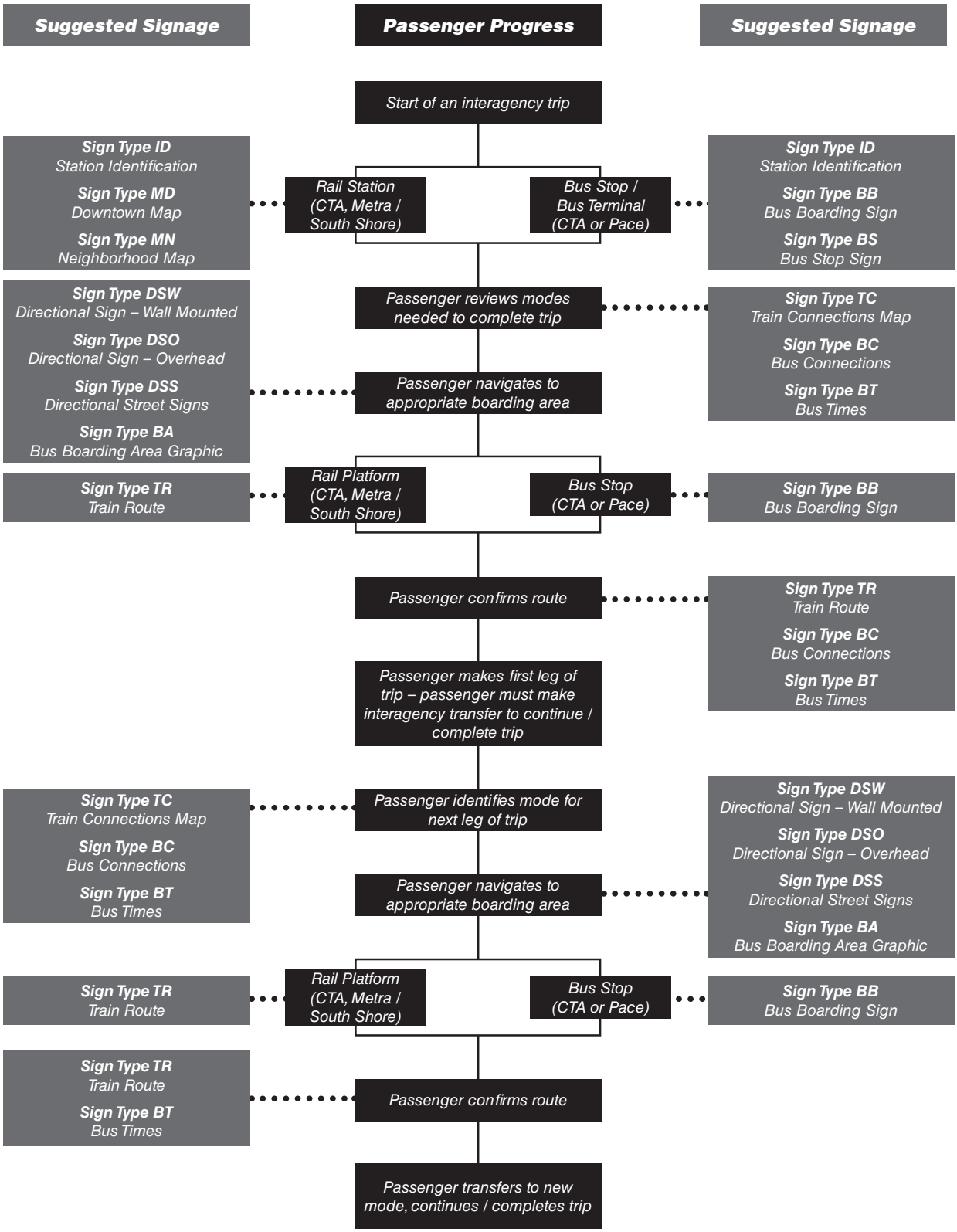
Review of Proposed Information Products

Proofs for all signs and graphics shall be reviewed and accepted by the RTA prior to production. The RTA may request review proofs in paper copy, electronic (PDF) format, or in the native file format (.ai, .indd). Review requirements should be confirmed with the RTA prior to the production of any new signs or graphics.

Specifications

In addition to this Manual, Technical Specifications for the interagency signs have been developed. The Technical Specifications include performance and fabrication requirements, submittal requirements, materials, products, hardware, installation requirements, periods of performance, and warranty requirements. As new graphics are developed for new locations, additional specifications may be needed to meet site or project-specific requirements.

Signage Program Design Flowchart



Quality Control Approach

Introduction

A comprehensive quality control approach, individually developed to meet a particular project's needs, will help ensure that new interagency wayfinding and information products are developed, produced, and implemented efficiently and appropriately.

New interagency wayfinding signage and information graphics must be developed in close cooperation with the RTA, the Service Boards (CTA, Metra, Pace), and other stakeholders. At the start of each project, the RTA will confirm the basic project information and define the project scope. Basic project information may include identification of the project stakeholders and key project personnel, a preliminary list of products that may be required, basic project procedures, and expectations for deliverables.

The RTA Interagency Signage Design Standards Manual shall provide design guidance for the development and design of the interagency wayfinding signage and information graphics. Each interagency signage project will require some amount of programming, development, and design. Each interagency location is different, and each location may require new or unique components and information. Review, assessment, and refinement will be required at key points throughout a project to ensure the wayfinding signage and information graphics are appropriate and correct for the location, while also conforming to the design standards.

Following is a general discussion of Quality Control approaches that should be considered for all interagency signage projects:

Overall Approach

Prior to the start of work, the design project team and the RTA project team should establish clear lines of communication. The project scope, requirements, and schedule should be established by the RTA and clearly understood by all before work begins. If the RTA has not defined a project scope and schedule, the RTA may ask the design project team to develop a project scope and schedule for review and acceptance by the RTA.

Once the project scope and schedule has been established, the project design team should develop project phases and deliverables. A description of proposed project phases and deliverables should be submitted to the RTA for review and acceptance prior to the start of work.

Project phases should divide the scope of work incrementally and be coordinated with the project schedule. Each phase should build upon the previous phase. For each phase, in-progress and final deliverables should be identified. In-progress deliverables should represent key points in the project development. Deliverables should be reviewed internally by the design project team before they are submitted to the RTA. All in-progress and final deliverables need to be reviewed and accepted by the RTA. Any revisions requested by the RTA need to be implemented as work continues and be reflected in subsequent deliverables. Phases should not be considered complete until the RTA Project Team has reviewed and accepted all work for that phase.

Quality Control Approach

Generally, projects should include the following phases:

Programming

Complete analysis and program development are essential first steps for any project. Working with the RTA, the design project team shall identify, collect, and assimilate as much project information as possible prior to selecting products or developing graphics. Programming information may include site reviews, facility plans, transit schedules, and code information. Product development should not be started until all necessary programming information has been obtained. The design project team should work with the RTA to identify the information required.

Design

Interagency wayfinding signage and information graphics should be developed as per the design standards as outlined in the RTA Interagency Signage Standards Manual. Coordinate with the RTA regarding files and formats. Depending on the product, digital art and digital template files shall be provided to the design project team by the RTA or the project team shall develop new digital art based on the RTA Interagency Signage Standards Manual.

Each interagency location shall present a unique set of challenges and opportunities. The design project team shall work with the site-specific information collected during programming to identify the wayfinding and information graphics products required and develop messages and content. Locations or situations that require new or modified products shall be identified and reviewed with the RTA prior to the start of any design. New products shall be consistent with the overall design intent outlined in the Signage Standards Manual. Preliminary product selections, locations, messages, and content need to be reviewed by the RTA early in the project so that revisions and adjustments can be made. Final products, locations, messages, and content shall not be released for production until they have been reviewed and accepted by the RTA.

Implementation

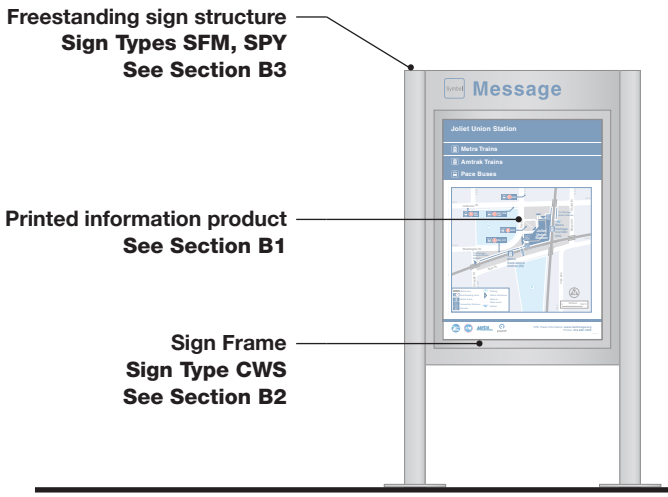
Quality Control during implementation shall include review, along with the RTA, of samples and submittals. The design project team shall confirm all required samples and submittals are provided and that all items submitted are consistent with the project's design intent. The design project team shall assist the RTA in developing and maintaining an implementation schedule, review site conditions and locations to facilitate product installation, and review installed products to confirm quality and consistency with the design intent.

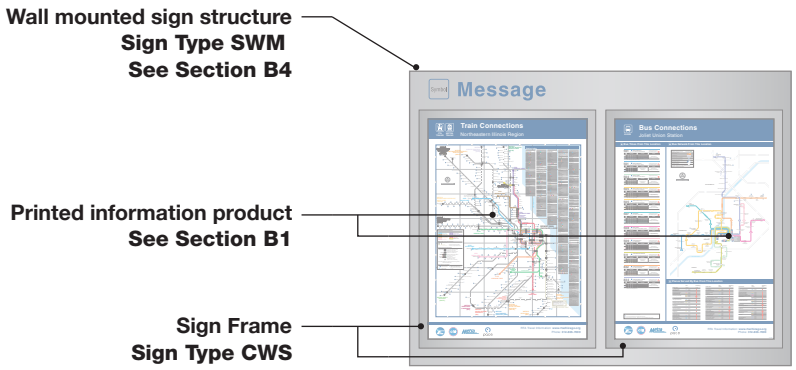
Conclusion

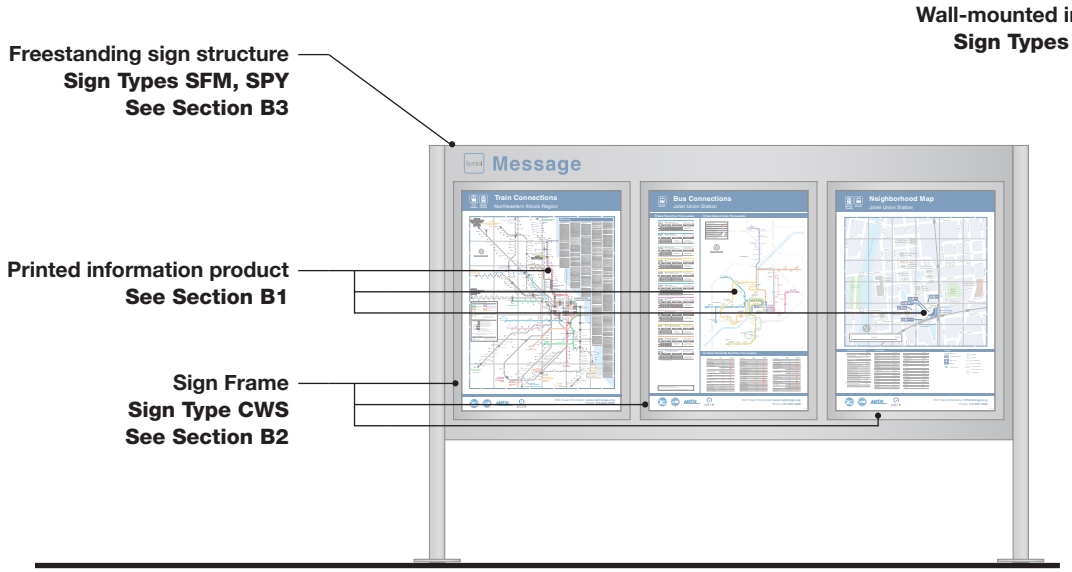
Every interagency signage and wayfinding project will be different. Each project shall require different project elements and will present unique wayfinding challenges. The goal of the Interagency Signage Standards Manual is to provide design guidance that is flexible enough to meet the requirements of interagency locations throughout the RTA service area while maintaining a consistent overall presentation.

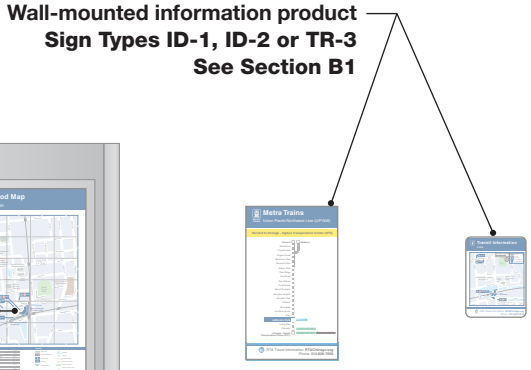
For each interagency signage and wayfinding project, the design project team shall work with the RTA to accurately and efficiently develop effective communication solutions based on the existing design standards. For each project, the design project team shall work with the RTA to identify appropriate quality-control approaches while providing accurate and professional services.

Information Graphics
Sign Cabinets / Frames
Freestanding Structures
Wall-Mounted Structures







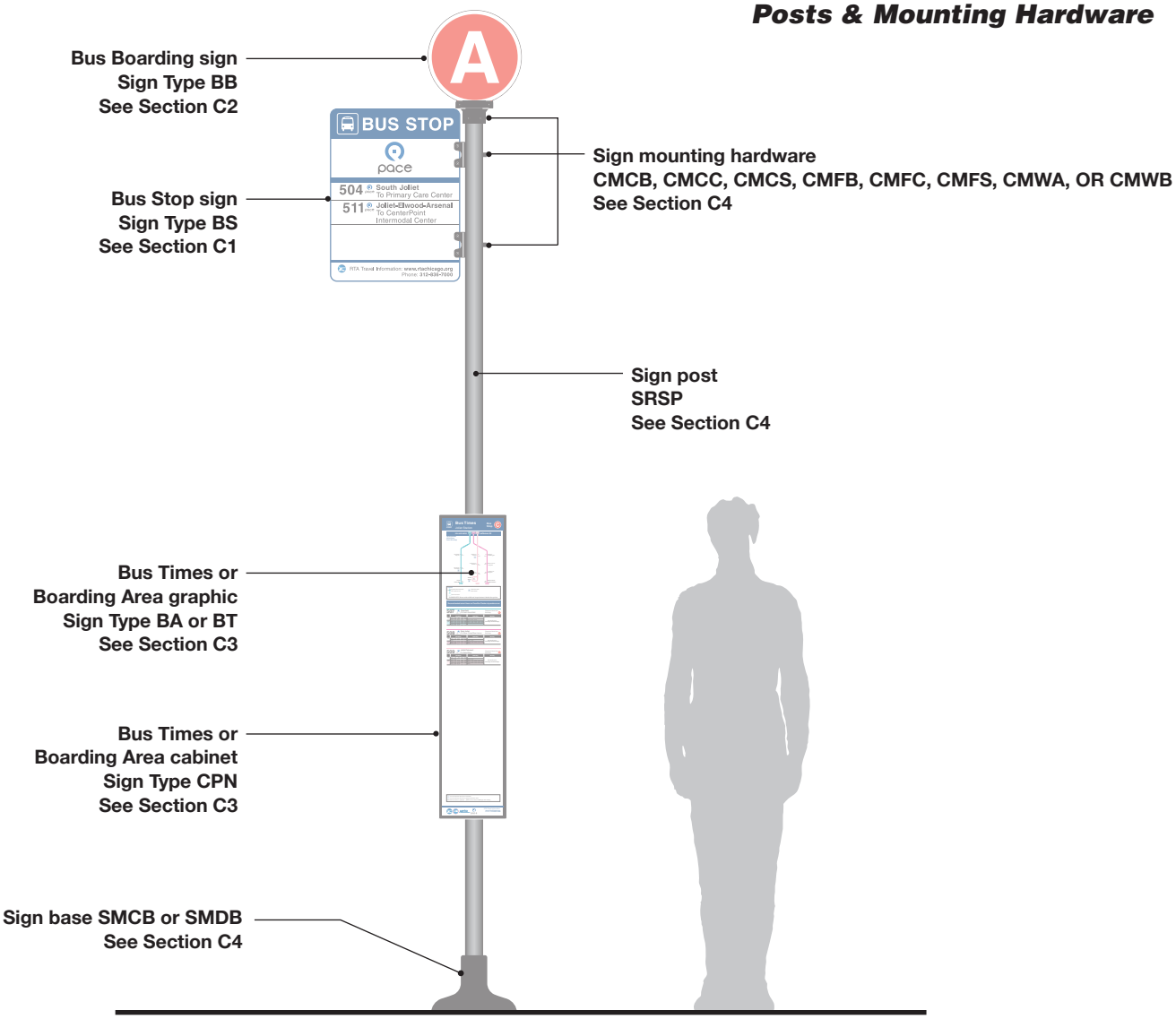


Description

General

Part B general reference.

Bus Stop Signs
Bus Boarding Signs
Bus Area & Bus Times Signs
Posts & Mounting Hardware

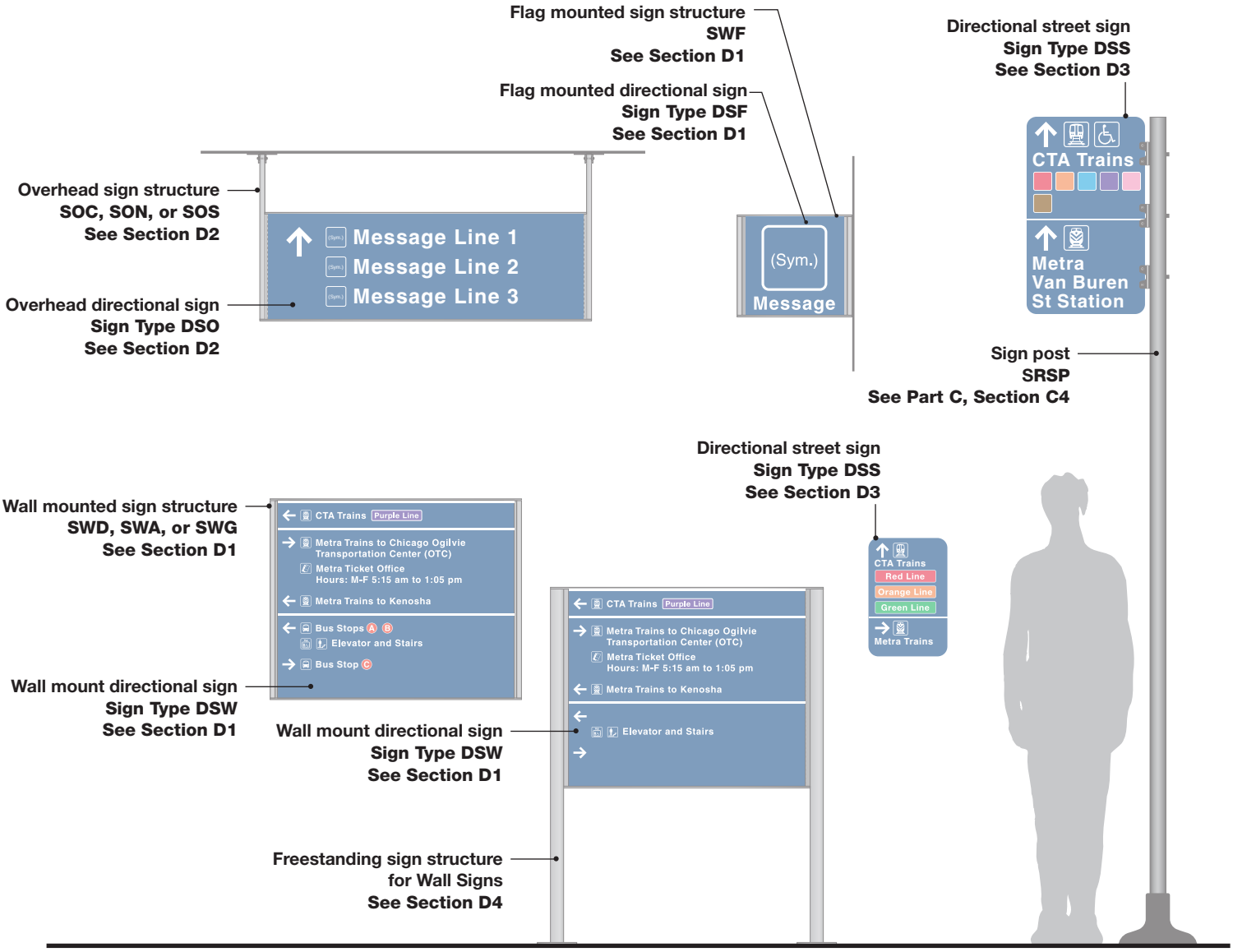


Description

General

Part C general reference.

Directional Wall Signs
Directional Overhead Signs
Directional Street Signs
Freestanding Structures



Description

General

Part D general reference.

Sign Type/Structure Codes	Description	Section Reference
BA	Boarding Area Graphic	Section C3 (Page C3.1)
BB	Bus Boarding Area Identification	Section C2 (Page C2.1)
BC	Bus Connections Map	Section B1 (Page B1.1)
BS	Bus Stop Sign	Section C1 (Page C1.1)
BT	Bus Times Diagram	Section C3 (Page C3.1)
CCH	CTA Case Cut Out Letter Header	Section E2 (Page E2.1)
CCP	CTA Case Build-Out Back Panel	Section E2 (Page E2.1)
CMBP	Mounting Assembly for CPN Cabinet	Section C3 (Page C3.1)
CMCB	Mounting Bracket, Center Bolt Mounted	Section C4 (Page C4.1)
CMCC	Mounting Bracket, Strap Mounted to CTA-type Column	Section C4 (Page C4.1)
CMCS	Mounting Bracket, Center Strap Mounted	Section C4 (Page C4.1)
CMCW	Mounting Bracket, Wide Flange Beam	Section C4 (Page C4.1)
CMFB	Mounting Bracket, Flag Bolt Mounted	Section C4 (Page C4.1)
CMFC	Mounting Bracket, Flag Cap	Section C4 (Page C4.1)
CMFS	Mounting Bracket, Flag Strap Mounted	Section C4 (Page C4.1)
CMPC	Mounting Bracket, Clip Mounted to CTA-type Column	Section E4 (Page E4.1)
CMWA	Center Mount, Wall, Adhesive Mounted	Section C4 (Page C4.1)
CMWB	Center Mount, Wall, Bolt Mounted	Section C4 (Page C4.1)
CPN	Sign Cabinet for Sign Types BA and BT	Section C3 (Page C3.1)
CWN	Wall-Mounted Non-Illuminated Sign Cabinet	Section E2 (Page E2.1)
CWS	Wall-Mounted Non-Illuminated Snap-frame	Sections B2 & E2 (Pages B2.1 & E2.1)
DSF	Directional/Identification Sign, Flag Mounted	Section D1 (Page D1.1)
DSO	Directional Sign, Overhead Mounted	Section D2 (Page D2.1)
DSOI	Directional Sign Illuminated, Overhead Mounted	Section D2 (Page D2.1)
DSS	Directional Sign, Sidewalk Mounted	Section D3 (Page D3.1)
DSW	Directional Sign, Wall-Mounted	Section D1 (Page D1.1)
ID	Identity Product	Section B1 (Page B1.1)
MD	Downtown Chicago Map	Section B1 (Page B1.1)
MN	Neighborhood Map	Section B1 (Page B1.1)
SFD	Sign Structure, Floor-Mount, Directional	Section D4 (Page D4.1)
SFM	Sign Structure, Freestanding Mount	Section B3 (Page B3.1)
SMAB	Structure Mount to Existing Pavement	Section B3 (Page B3.1)
SMCB	Structure Mount, Cast Base	Section C4 (Page C4.1)
SMCF	Structure Mount with Concrete Foundation	Section B3 (Page B3.1)
SMDB	Structure Mount, Direct Bury	Section C4 (Page C4.1)
SMFD	Structure Mount, Floor-Mount Directional	Section D4 (Page D4.1)
SMFS	Structure Mount with Sleeved Legs	Section B3 (Page B3.1)
SMRC	Structure Mount Riser Clamp for SMDB Mounting	Section C4 (Page C4.1)
SOC	Structure, Overhead Ceiling Mount	Section D2 (Page D2.1)
SON	Structure, Overhead Pendant Mount	Section D2 (Page D2.1)
SOS	Structure, Overhead Soffit Mount	Section D2 (Page D2.1)
SPY	Structure, Pylon (3-sided)	Section B3 (Page B3.1)
SRSE	Structure, Round Sign Post Extension	Section C4 (Page C4.1)
SRSP	Structure, Round Sign Post	Section C4 (Page C4.1)
SWA	Structure, Wall-Mount, Adhesive	Section D1 (Page D1.1)
SWD	Structure, Wall-Mount, Directional	Section D1 (Page D1.1)
SWF	Structure, Wall-Mount, Flag	Section D1 (Page D1.1)
SWG	Structure, Wall-Mount, on Glass	Section D1 (Page D1.1)
SWM	Structure, Wall-Mount	Section B4 (Page B4.1)
SWSF	Structure, Wall-Mount, Special Frame	Section D1 (Page D1.1)
TC	Train Connections Map	Section B1 (Page B1.1)
TT	Train Times	Section E2 (Page E2.1)
TR	Train Route Diagram	Sections B1 & E2 (Pages B1.1 & E2.1)

Typography

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Helvetica LT Std Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Helvetica LT Std Roman

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Helvetica LT Std Oblique

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Helvetica LT Std Bold Oblique

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Helvetica LT Std Black

Description

General

The fonts used for the interagency signs and information graphics are shown above. All letter spacing and word spacing used for the wayfinding signs must meet ADA visual character requirements. No other fonts shall be used unless reviewed and accepted by the RTA.

The desired visual character spacing is shown.

If the distance between the two closest points of adjacent characters within a word is less than 10% of the character height, the fabricator must increase the kerning of the space to be 10% of the character height.

If the distance between the two closest points of adjacent characters within a word is more than 35% of the character height, the fabricator must decrease the kerning of the space to be 35% of the character height.

CTA Trains
Trains to Chicago
Information
Bus Stops

Examples of Typical ADA Compliant Character Spacing

1 *(with optical kerning and +30 units of tracking in Illustrator CS3)*
Scale: NTS

Description

General

The character spacing for wayfinding messages on the following products shall conform to the standards for visual characters as per Section 703.5 of the 2010 ADA Standards for Accessible Design:

Bus boarding area signs (BA)
Directional overhead signs (DSO)
Directional flag-mounted signs (DSF)
Directional wall-mounted signs (DSW)
Directional street signs (DSS)
Freestanding structures with text (SFM, SPY)
Wall-mounted structures with text (SWM)

The messages for these signs should also have extra spacing added (+30 units of tracking in Adobe Illustrator CS3 with Optical kerning, or equivalent).

The Contractor shall match the character spacing shown above, and to show this character spacing on all graphic layouts submitted for review. The messages shown above are for reference. The Contractor shall verify if there will be any messages with character spacing which does not conform to the the ADA Standards.

Wayfinding Colors

Color 1
Wayfinding Blue
PMS 281 C
CMYK 100-72-0-32
RGB 0-62-126
Web Safe RGB
00-3E-7E

Color 2
White
PMS Translucent White

Color 3
Metallic Silver

Color 4
Black
PMS Process Black
CMYK 0-0-0-100
RGB 35-31-32
Web Safe RGB
23-1F-20

Color 5
Wayfinding Red
PMS 1795 C
CMYK 0-94-100-0
RGB 238-52-36
Web Safe RGB
EE-34-24

Wayfinding Colors

Description

General

The general colors used for the interagency signs are shown above. Colors fields shown are approximations only.

Logo Colors

Color 11
Pace Bus Blue and Logo Blue
PMS Reflex Blue C
CMYK 100-82-0-2
RGB 23-23-150
Web Safe RGB 00-54-A4

Color 12
Metra Logo Blue
CTA Bus Blue
PMS 301 C
CMYK 100-42-0-0
RGB 0-110-199
Web Safe RGB 00-65-A4

Color 13
RTA Logo Blue
PMS (Multi Color)
CMYK 100-58-0-21, 96-67-14-2, 100-77-28-11
RGB 0-85-150, 0-93-153, 0-72-122
Web Safe RGB 00-55-96, 00-5D-99, 0D-49-7A

Color 14
CTA Logo Blue
(Also used for Jeffery Jump logo 7-17)
PMS 300 C
CMYK 100-42-0-0
RGB 0-110-199
Web Safe RGB 00-79-C1

Color 15
CTA Logo Red
(Also used for Jeffery Jump logo 7-17)
PMS 200 C
CMYK 3-100-66-12
RGB 186-18-43
Web Safe RGB D3-12-45

Color 16
South Shore Logo Red
PMS 505 C
CMYK 50-100-100-25
RGB 118-33-35
Web Safe RGB 76-21-23

Color 17
South Shore Logo Orange
PMS 166 C
CMYK 0-64-100-0
RGB 244-123-32
Web Safe RGB F4-7B-20

Color 18
Amtrak Logo Blue
PMS 302 C
CMYK 100-25-0-50
RGB 0-84-128
Web Safe RGB 00-54-80

Color 19
Pace Pulse Purple
PMS 2587 C
CMYK 58-76-0-0
RGB 130-70-175
Web Safe RGB 82-46-AF

Color 19
Pace Pulse Green
PMS 367 C
CMYK 41-0-68-0
RGB 164-214-94
Web Safe RGB A4-D6-5E

Color 19
Pace Pulse Gray
PMS 428 C
CMYK 10-4-4-14
RGB 193-198-200
Web Safe RGB C1-C6-C8

Pace, Metra, CTA, RTA, Amtrak, and South Shore (NICTD) Logo Colors

Description

General

The color standards used for the CTA, Metra, Pace, and South Shore logos are shown above. Colors fields shown are approximations only.

CTA Train Line Colors

Color 20	Color 21	Color 22	Color 23	Color 24	Color 25	Color 26	Color 27
Red Line	Orange Line	Yellow Line	Green Line	Blue Line	Purple Line	Pink Line	Brown Line
PMS 186 C	**PMS** 172 C	**PMS** Yellow 012 C	**PMS** 355 C	**PMS** 299 C	**PMS** 267 C	**PMS** 204 C	**PMS** 161 C
CMYK 0-100-75-4	**CMYK** 0-72-90-0	**CMYK** 0-1-100-0	**CMYK** 95-0-98-0	**CMYK** 86-8-0-0	**CMYK** 86-96-0-0	**CMYK** 0-59-5-0	**CMYK** 16-67-100-70
RGB 207-20-43	**RGB** 242-79-0	**RGB** 247-224-23	**RGB** 0-150-69	**RGB** 0-163-224	**RGB** 89-23-138	**RGB** 232-122-163	**RGB** 94-56-18
Web Safe RGB	**Web Safe RGB**	**Web Safe RGB**	**Web Safe RGB**	**Web Safe RGB**	**Web Safe RGB**	**Web Safe RGB**	**Web Safe RGB**
E3-18-37	F4-77-35	FF-E8-00	00-A9-4F	00-9D-DC	49-2F-92	F3-8A-B3	75-42-00

CTA Train Line Colors

CTA
YELLOW LINE

CTA Yellow Line color is PMS 012 C.

Converted to CMYK, the color is:
0%C, 4%M, 100%Y, 0%K

The text outline is shown as:
0%C, 0%M, %Y, 100%K

(The text outline stroke width is .75 points for 20.5 point letter height.)

When text using the CTA Yellow Line color appears on a white background, the text is outlined in a stroke 100% black.

Appearence of Light CTA Train Line Colors on a White Background

Description

General

The color standards used for the CTA train lines are shown above. Colors fields shown are approximations only.

Map Base Colors

Color 30
Station Building
PMS 281 C
CMYK 100-72-0-32
RGB 0-62-126
Web Safe RGB
00-3E-7E

Color 31
Parking
PMS 290 C
CMYK 25-2-0-0
RGB 185-224-247
Web Safe RGB
89-E0-F7

Color 32
District Name/
Parking Shadow
PMS 299 C
CMYK 85-19-0-0
RGB 0-157-220
Web Safe RGB
00-9D-DC

Color 33
Park
PMS 358 C
CMYK 27-0-38-0
RGB 189-223-178
Web Safe RGB
BD-DF-B2

Color 34
Park Label
PMS 347 C
CMYK 100-0-86-3
RGB 0-161-96
Web Safe RGB
00-A1-60

Color 35
Building/POI
PMS 443 C
CMYK 12-0-12-30
RGB 166-180-172
Web Safe RGB
A6-B4-AC

Color 36
Building/POI
Shadow/Text
PMS 445 C
CMYK 20-0-20-65
RGB 94-110-102
Web Safe RGB
5E-6E-66

Color 37
School
PMS 505 C (30%)
CMYK 15-30-30-8
RGB 200-167-155
Web Safe RGB
C8-A7-9B

Color 38
School
Shadow/Text
PMS 505 C (60%)
CMYK 30-60-60-15
RGB 161-105-91
Web Safe RGB
A1-69-5B

Color 39
Background
Map Base
PMS 538 C
CMYK 12-7-2-0
RGB 220-226-237
Web Safe RGB
DC-E2-ED

Color 40
Bus Line
(Downtown Map)
PMS Black C (50%)
CMYK 0-0-0-50
RGB 147-149-152
Web Safe RGB
93-95-98

Color 41
Bus Route Label
(Downtown Map)
PMS Black C (60%)
CMYK 0-0-0-60
RGB 128-130-133
Web Safe RGB
80-82-85

Color 42
Tunnel
PMS 444 C
CMYK 15-0-15-42
RGB 180-192-186
Web Safe RGB
B4-C0-BA

Color 43
Central Business
District
PMS 7500 C
CMYK 0-2-15-3
RGB 247-237-212
Web Safe RGB
F7-ED-D4

Color 44
Walking Circle*
PMS 356 C
CMYK 95-0-100-27
RGB 0-133-63
Web Safe RGB
00-85-3F
*Line color is 42%, text and symbols are 100%

Color 45
Street Grid Number /
Secondary Train Line
Label Text
PMS Black C (70%)
CMYK 0-0-0-50
RGB 109-111-113
Web Safe RGB
6D-6F-71

Color 46
Water
PMS 2127 C
CMYK 30-10-0-0
RGB 173-205-236
Web Safe RGB
AD-CD-EC

Map Base Colors

Description

General

The color standards used for the system maps are shown above. Colors fields shown are approximations only.

Bus Route Colors

Color 50
Bus Route Option 1
PMS 130 C
CMYK 0-30-100-0
RGB 253-185-19
Web Safe RGB FD-B9-13

Color 56
Bus Route Option 2
PMS 285 C
CMYK 89-43-0-0
RGB 0-125-195
Web Safe RGB 00-7D-C3

Color 59
Bus Route Option 3
PMS 398 C
CMYK 7-0-100-28
RGB 184-179-8
Web Safe RGB B8-B3-08

Color 53
Bus Route Option 4
PMS 197 C
CMYK 0-45-10-0
RGB 246-162-182
Web Safe RGB F6-A2-B6

Color 57
Bus Route Option 5
PMS 320 C
CMYK 100-0-31-7
RGB 0-160-175
Web Safe RGB 00-A0-AF

Color 61
Bus Route Option 6
PMS 485 C
CMYK 0-95-100-0
RGB 238-39-36
Web Safe RGB EE-31-24

Color 64
Bus Route Option 7
PMS 7509C
CMYK 0-20-50-5
RGB 241-197-133
Web Safe RGB F1-C5-85

Color 58
Bus Route Option 8
PMS 353 C
CMYK 38-0-36-0
RGB 160-213-181
Web Safe RGB A0-D5-B5

Color 63
Bus Route Option 9
PMS 7650C
CMYK 51-98-38-23
RGB 118-34-87
Web Safe RGB 76-22-57

Color 52
Bus Route Option 10
PMS 166 C
CMYK 0-64-100-0
RGB 244-123-32
Web Safe RGB F4-7B-20

Color 54
Bus Route Option 11
PMS Rhodamine Red C
CMYK 3-89-0-0
RGB 230-64-151
Web Safe RGB E6-40-97

Color 60
Bus Route Option 12
PMS 403 C
CMYK 0-7-17-43
RGB 162-152-138
Web Safe RGB A2-98-8A

Color 55
Bus Route Option 13
PMS 272 C
CMYK 58-48-0-0
RGB 117-129-191
Web Safe RGB 75-81-BF

Color 62
Bus Route Option 14
PMS Process Black C
CMYK 0-0-0-100
RGB 35-31-32
Web Safe RGB 23-1F-20

Color 51
Bus Route Option 15
PMS 160 C
CMYK 0-62-100-32
RGB 177-92-18
Web Safe RGB B1-5C-12

Color 52
Bus Route Option 16
PMS 3425 C
CMYK 93-13-85-44
RGB 0-99-65
Web Safe RGB 00-63-41

Color 65
Bus Route Option 17
PMS 654 C
CMYK 100-71-10-47
RGB 0-58-112
Web Safe RGB 00-3A-70

Color 66
Bus Route Option 18
PMS 2607 C
CMYK 83-99-0-2
RGB 80-7-120
Web Safe RGB 50-07-78

Color 67
Bus Route Option 19
PMS 368 C
CMYK 60-0-100-0
RGB 114-91-168
Web Safe RGB 72-BF-44

Color 68
Bus Route Option 20
PMS 430 C
CMYK 54-37-34-15
RGB 114-128-135
Web Safe RGB 72-80-87

Bus Route Colors

Description

General

The color standards used for CTA and Pace bus routes are shown above. Colors fields shown are approximations only.

Metra Train Line Colors

Color 70
North Central Service
PMS 265 C
CMYK 54-56-0-0
RGB 129-119-183
Web Safe RGB 81-77-B7

Color 71
Union Pacific North Line
PMS 348 C
CMYK 92-2-100-12
RGB 0-132-61
Web Safe RGB 00-84-3D

Color 72
Union Pacific Northwest Line
PMS Process Yellow C
CMYK 0-0-100-0
RGB 255-242-0
Web Safe RGB FF-F2-00

Color 73
Union Pacific West Line
PMS 176 C
CMYK 0-25-18-0
RGB 251-201-191
Web Safe RGB FB-C9-BF

Color 74
Milwaukee District North Line
PMS 152 C
CMYK 0-51-100-0
RGB 243-144-29
Web Safe RGB F3-90-1D

Color 75
Milwaukee District West Line
PMS 142 C
CMYK 0-28-76-0
RGB 253-190-87
Web Safe RGB FD-BE-57

Color 76
BNSF Line
PMS 361 C
CMYK 69-0-100-0
RGB 84-185-72
Web Safe RGB 54-B9-48

Color 77
SouthWest Service
PMS 300 C
CMYK 100-44-0-0
RGB 0-110-199
Web Safe RGB 00-79-C1

Color 78
Heritage Corridor
PMS 208 C
CMYK 0-100-36-37
RGB 163-0-70
Web Safe RGB A3-00-46

Color 79
Metra Electric
PMS Orange 021 C
CMYK 0-53-100-0
RGB 247-142-30
Web Safe RGB F7-8E-1E

Color 80
Rock Island
PMS 485 C
CMYK 0-95-100-0
RGB 238-49-36
Web Safe RGB EE-31-24

Color 81
South Shore Line Beige
PMS 452 C
CMYK 24-18-42-0
RGB 197-193-157
Web Safe RGB C5-C1-9D

Color 82
Metra Rail Line Grey
PMS Process Black C (70%)
CMYK 0-0-0-70
RGB 109-110-113
Web Safe RGB 6D-6E-71

Color 83
Metra Electric South Chicago Branch
CMYK 13-12-16-0
RGB 220-215-207
Web Safe RGB DC-D7-CF

Color 84
Metra Electric Blue Island Branch
CMYK 29-0-12-0
RGB 179-224-225
Web Safe RGB B1-E4-E3

Color 85
Rock Island Beverly Branch
CMYK 58-43-44-9
RGB 113-124-125
Web Safe RGB 71-7C-7D

Metra Train Line Colors

METRA UNION PACIFIC NORTHWEST LINE (UP-NW)

Metra UP-NW color is PMS Yellow C.
Converted to CMYK, the color is: 0%C, 0%M, 100%Y, 0%K
The text outline is shown as: 0%C, 0%M, 0%Y, 100%K
(The text outline stroke width is .75 points for 20.5 point letter height.)

METRA UNION PACIFIC WEST LINE (UP-W)

Metra UP-W color is PMS 176C.
Converted to CMYK, the color is: 0%C, 25%M, 18%Y, 0%K
The text outline is shown as: 0%C, 0%M, 0%Y, 100%K
(The text outline stroke width is .75 points for 20.5 point letter height.)

When text using a light-colored Metra train line color (UP-NW or UP-W) appears on a White background, the text is outlined in a stroke 100% black.

Appearence of Light Colors Metra Train on a White Background

Description

General

The color standards used for the Metra system are shown above. Colors fields shown are approximations only.

Pace Pulse Colors

Color 90	Color 91	Color 92	Color 93	Color 94	Color 95
Supplementary 1	Supplementary 2	Supplementary 3	Supplementary 4	Supplementary 5	Supplementary 6
PMS 660 C	**PMS** 7710 C	**PMS** 157 C	**PMS** 7416 C	**PMS** 430 C	**PMS** 432 C
CMYK 76-47-0-0	**CMYK** 81-12-29-0	**CMYK** 4-43-76-0	**CMYK** 3-73-70-0	**CMYK** 55-41-38-5	**CMYK** 79-64-52-44
RGB 61-124-201	**RGB** 0-165-181	**RGB** 240-159-84	**RGB** 234-104-82	**RGB** 123-134-140	**RGB** 50-62-72
Web Safe RGB 3D-7C-C9	**Web Safe RGB** 00-A5-B5	**Web Safe RGB** F0-9F-54	**Web Safe RGB** EA-68-52	**Web Safe RGB** 7B-86-8C	**Web Safe RGB** 32-3E-48

Pace Pulse Supplementary Colors

Description

General

The supplementary color standards used for Pace Pulse are shown above. Colors fields shown are approximations only.

Arrows


Arrow
Up
1-1


Arrow
Up Right
1-2


Arrow
Up Left
1-3


Arrow
Down
1-4


Arrow
Down Right
1-5


Arrow
Down Left
1-6


Arrow
Left
1-7


Arrow
Right
1-8


Arrow
Left / Ahead
1-9


Arrow
Right / Ahead
1-10


Arrow
Ahead / Left
1-12

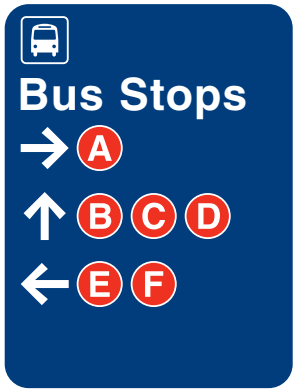

Arrow
Ahead / Right
1-13


Arrow
U-Turn / Left
1-14


Arrow
U-Turn / Right
1-15

The dashed arrow position box shown above does not appear on the final sign faces.

Messages are grouped by mode (CTA Trains, Metra Trains, Buses). Within a message group, the messages are typically arranged with the arrows ordered "up", "left","right", and "down/behind".



When bus stop symbols are used on a sign, the bus stop messages will be arranged alphabetically based on the bus stop letters.

Description

General

The arrows used for the interagency signs are shown above. Arrows shown are for reference only. Final arrow artwork shall be provided by the RTA. See the General Design and Layout Information for each sign type for additional information about arrow arrangement.

Symbols


Metra Trains
2-1


CTA Trains
2-2


Buses
2-3


Paratransit
2-4


Amtrak Train
2-5


Intercity Bus
2-6


Regional Transportation Authority
2-10


Chicago Transportation Authority
2-11


Metra
2-12


Pace (vertical)
2-13a


Pace (horizontal)
2-13b

South Shore
2-14

Amtrak
2-15


International Symbol of Access
3-1


Ramp Up
3-2


Ramp Down
3-3


Elevator
3-4


Stair
3-5


Stair Up*
3-6


Stair Down*
3-7


Escalator
3-8


Escalator Up*
3-9


Escalator Down*
3-10


Pedestrian
3-11

* Unless necessary, use the non-directional stair and escalator symbols.


Toilet
4-1


Men
4-2


Women
4-3


Senior
4-4


Airport
5-1


ATS (Airport Transit System)
5-2


Information
5-3


Fare Media
5-4


Ticket Window
5-5


Vending
5-6


You Are Here
5-7


Parking
5-10


Drop-off (Kiss & Ride)
5-11


Taxis
5-12


Water Taxi
5-13


Car
5-14


Car Share
5-15


Vanpool
5-16


Bike
5-20


Bike Sharing
5-21


Waiting Room
5-30


Phone
5-31


Food
5-32


MetraMarket
5-33


Library
5-34


Shopping
5-35


Culture (Theaters)
5-36


Building
5-37


Government Building
5-38


No Smoking
5-40


Do Not Enter
5-41


Enter
5-42


Police
5-43

Description

General

The symbols used for the interagency signs are shown above. Symbols shown are for reference only. Final symbol artwork shall be provided by the RTA.

Symbols

Typical Application - Boarding Area Symbols on Wayfinding Blue Background

Boarding Area A (Color 5) 6-1	Boarding Area B (Color 5) 6-2	Boarding Area C (Color 5) 6-3	Boarding Area D (Color 5) 6-4	Boarding Area E (Color 5) 6-5	Boarding Area F (Color 5) 6-6

Typical Application - Boarding Area Symbols on White Background

Boarding Area A (Color 5) 6-1	Boarding Area B (Color 5) 6-2	Boarding Area C (Color 5) 6-3	Boarding Area D (Color 5) 6-4	Boarding Area E (Color 5) 6-5	Boarding Area F (Color 5) 6-6

Typical Application - Boarding Area Symbols on Wayfinding Blue Background

Boarding Area G (Color 5) 6-7	Boarding Area H (Color 5) 6-8	Boarding Area I (Color 5) 6-9	Boarding Area J (Color 5) 6-10	Boarding Area K (Color 5) 6-11	Boarding Area L (Color 5) 6-12	Boarding Area M (Color 5) 6-13

Typical Application - Boarding Area Symbols on White Background

Boarding Area G (Color 5) 6-7	Boarding Area H (Color 5) 6-8	Boarding Area I (Color 5) 6-9	Boarding Area J (Color 5) 6-10	Boarding Area K (Color 5) 6-11	Boarding Area L (Color 5) 6-12	Boarding Area M (Color 5) 6-13

Typical Application - Boarding Area Symbols on Wayfinding Blue Background

Boarding Area N (Color 5) 6-14	Boarding Area P (Color 5) 6-16	Boarding Area Q (Color 5) 6-17	Boarding Area R (Color 5) 6-18	Boarding Area S (Color 5) 6-19	Boarding Area T (Color 5) 6-20

Typical Application - Boarding Area Symbols on White Background

Boarding Area N (Color 5) 6-14	Boarding Area P (Color 5) 6-16	Boarding Area Q (Color 5) 6-17	Boarding Area R (Color 5) 6-18	Boarding Area S (Color 5) 6-19	Boarding Area T (Color 5) 6-20

Typical Application - Boarding Area Symbols on Wayfinding Blue Background

Boarding Area U (Color 5) 6-21	Boarding Area V (Color 5) 6-22	Boarding Area W (Color 5) 6-23	Boarding Area X (Color 5) 6-24	Boarding Area Y (Color 5) 6-25	Boarding Area Z (Color 5) 6-26

Typical Application - Boarding Area Symbols on White Background

Boarding Area U (Color 5) 6-21	Boarding Area V (Color 5) 6-22	Boarding Area W (Color 5) 6-23	Boarding Area X (Color 5) 6-24	Boarding Area Y (Color 5) 6-25	Boarding Area Z (Color 5) 6-26

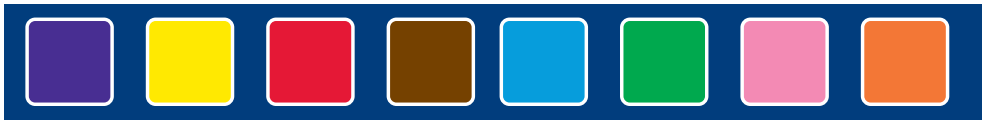
Description

General

The symbols used for the interagency signs are shown above. The letter 'I' is only used for boarding areas in select locations. The letter 'O' is not used for boarding areas. Symbols shown are for reference only. Final symbol artwork shall be provided by the RTA.

CTA Train Line and Bus Service Symbols

Typical Application - CTA Symbols on Wayfinding Blue Background



Purple Line (Color 25) 7-1	Yellow Line (Color 22) 7-2	Red Line (Color 20) 7-3	Brown Line (Color 27) 7-4	Blue Line (Color 24) 7-5	Green Line (Color 23) 7-6	Pink Line (Color 26) 7-7	Orange Line (Color 21) 7-8

Purple Line (Color 25) 7-9	Yellow Line (Color 22) 7-10	Red Line (Color 20) 7-11	Brown Line (Color 27) 7-12	Blue Line (Color 24) 7-13	Green Line (Color 23) 7-14	Pink Line (Color 26) 7-15	Orange Line (Color 21) 7-16

Jeffery Jump
7-17

Typical Application - CTA Symbols on White Background

Purple Line (Color 25) 7-1	Yellow Line (Color 22) 7-2	Red Line (Color 20) 7-3	Brown Line (Color 27) 7-4	Blue Line (Color 24) 7-5	Green Line (Color 23) 7-6	Pink Line (Color 26) 7-7	Orange Line (Color 21) 7-8

Purple Line (Color 25) 7-9	Yellow Line (Color 22) 7-10	Red Line (Color 20) 7-11	Brown Line (Color 27) 7-12	Blue Line (Color 24) 7-13	Green Line (Color 23) 7-14	Pink Line (Color 26) 7-15	Orange Line (Color 21) 7-16

Jeffery Jump
7-17

Description

General

The CTA Train Line and Bus Service symbols used for the interagency signs are shown above. Additional Bus Service symbols may be added in the future. Symbols shown are for reference only. Final CTA Train Line and Bus Service symbol artwork shall be provided by the RTA.

CTA Connecting Services Symbols

8-1

8-2

8-3

8-4

8-5

8-6

8-7

8-8

Description

General

The symbols used to indicate connecting CTA rail service on TR product artwork are shown above. Symbols shown are for reference only. Final symbol artwork shall be provided by the RTA.

Metra and Pace Connecting Services Symbols

BNSF
8-10

Metra Electric
8-11

Metra Electric - South Chicago branch
8-12

Metra Electric - Blue Island branch
8-13

Heritage Corridor
8-14

Milwaukee District North
8-15

Milwaukee District West
8-16

North Central Service
8-17

Rock Island
8-18

SouthWest Service
8-19

Union Pacific North Line
8-20

Union Pacific Northwest Line
8-21

Union Pacific West Line
8-22

South Shore Line
8-23

PULSE
8-30

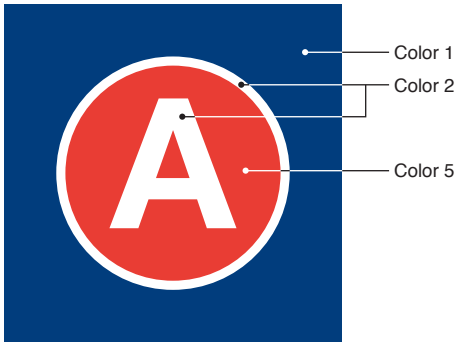
PULSE
8-31

Description

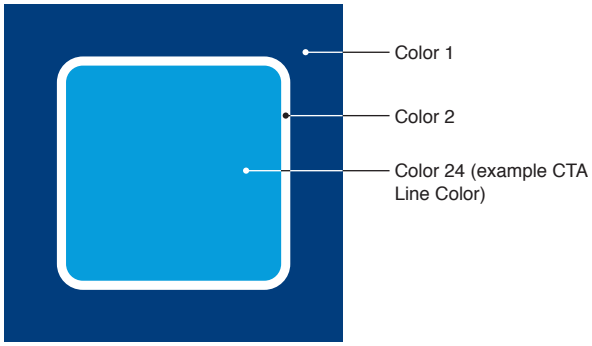
General

The symbols used to indicate connecting Metra rail service and Pace Pulse bus service on TR product artwork are shown above. Symbols shown are for reference only. Final symbol artwork shall be provided by the RTA.

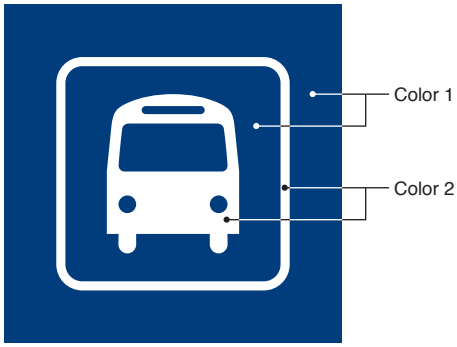
Symbol Definitions



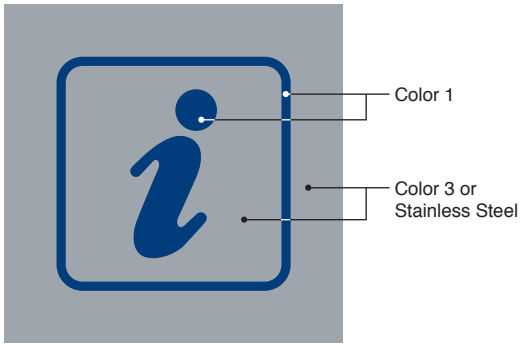
Typical bus boarding symbol when shown on a Color 1 background



Typical CTA train line symbol when shown on a Color 1 background



Typical wayfinding symbol when shown on a Color 1 background



Typical wayfinding symbol when shown on a Color 3 or stainless steel background

Description

General

The typical treatments for symbols on different color backgrounds are shown.

Introduction

To be effective, interagency signs and graphics must be carefully located. Graphics must be positioned where they can be readily seen and safely understood. Locations must coordinate with the information being presented so that the messages are useful and appropriate. Locations and messages must be documented. Locations must also coordinate with architectural conditions so that signs and graphics fit properly, function correctly, and do not create clutter.

To establish sign locations, the following general steps should be followed. However, every facility and situation is different, so the process for locating signs will need to be adapted to the particular needs of each site or facility.

1) Obtain Information About the Site or Facility

The first step in establishing sign locations should be to obtain as much existing information and documentation about the site or facility where signs are to installed as is available. Documents may include architectural plans and elevations of the site or facility, construction details, and existing sign plans.

Once any available drawings have been obtained, an initial site review should be made and the facility or location should be thoroughly photographed. Whenever possible, photo locations should be keyed to a floor plan or a site plan. While on site, an initial, overall wayfinding assessment of the facility should be made. Potential passenger routes should be identified and photographed, and possible sign locations should be identified. At potential information locations, site dimensions should be recorded.

2) Establish Preliminary Sign Locations

Once the preliminary site information has been obtained, sign types can be programmed for the site or facility, and preliminary locations for each sign can be established. Factors to consider when establishing sign locations should include:

a) Architectural conditions:

1) Signs should be placed where they can be seen, but they should also not interfere or conflict with architectural or site features. Signs should be placed where there is sufficient physical space for the sign and the sign can be mounted without intruding into pedestrian ways or otherwise interfering with circulation.

b) Traffic patterns and decision points:

1) Signs should be located so that information is provided where it is needed. Part of programming and locating signs is to understand the pathways typically used within a facility. Signs should be placed along pedestrian paths and at decision points. Signs should be placed so that directions provide guidance in a logical sequence and minimize backtracking.

c) Space to read the maps and signs:

1) Sign should be located so that the information is visible and readily accessible. Maps and schedule graphics should be located so that people have enough room to stand and study the information without disrupting the overall pedestrian flow.

2) Signs located on sidewalks need to be placed far enough from traffic that people reading the signs do not place themselves in the path of oncoming traffic. Signs should also be far enough from curbs so that people can walk around the signs without moving too close to the street or stepping into the roadway.

d) Pedestrian signs must not create confusion for vehicles or cyclists:

1) Pedestrian signs must not be placed so that they may be confused with vehicular signs or present possibly confusing or inappropriate information to drivers or cyclists. Pedestrian signs must not block traffic signs or interfere with driver and cyclist visibility or lines of sight.

3) Establish Preliminary Documentation

Sign locations and messages need to be documented.

a) Develop plans showing the locations for each sign. Sign locations plans may be developed by adding signs to existing architectural plans or site plans. New plans may need to be developed if existing documentation is not available.

b) A message schedule database must be created to record and track information about each sign. The message schedule will record each sign location as well as sign types and messages.

4) Review the Sign Locations On-Site

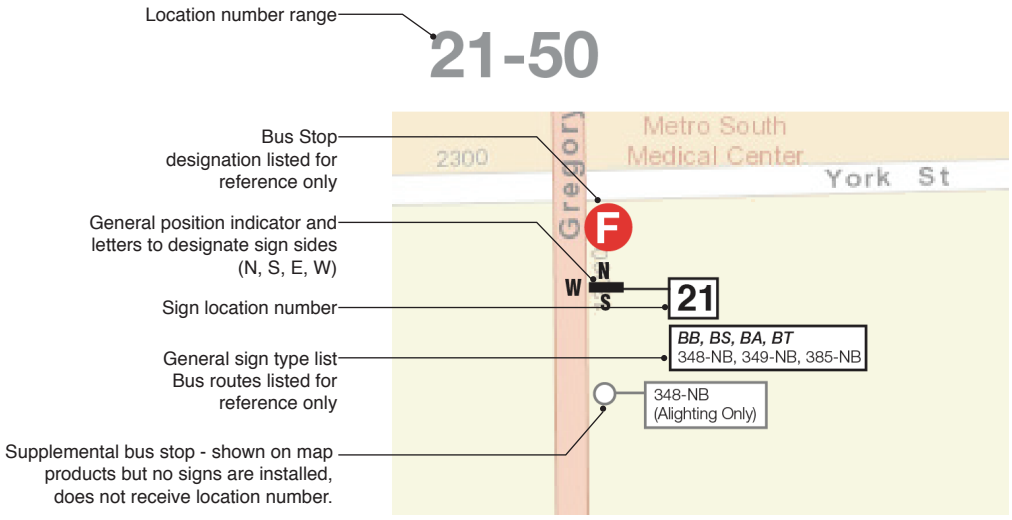
After the preliminary sign locations have been established, they should be reviewed on-site.

Each sign location should be reviewed on-site to confirm the signs can be properly and safely installed, the information presented is accurate and appropriate, that there are no conflicts with site features or architecture, and that the site documentation is accurate. Each location should be photographed. Key site dimensions should also be obtained.

Based on the site review, sign locations and sign types should be revised and updated as needed. Revised documentation, incorporating the verified sign locations, should be developed.

The revised locations should be confirmed, and any final adjustments made, prior to issuing documents for bidding or fabrication.

Sign Location Plan Documentation



Typical Sign Location Plan Information

Description

General

The sign location plans provide a general indication of where signs are to be placed. Final locations are to be determined on site. The location plans include a general list of sign types and letter designations to indicate sign sides.

The background used for the sign location plan may be an existing architectural building or site plan, map, or aerial photograph. If no existing documentation is available, a new plan of the site may need to be drawn for use on the sign location plan.

1 ***Example of RTA's GIS Sign Location Documentation***

Scale: NTS

Description

General

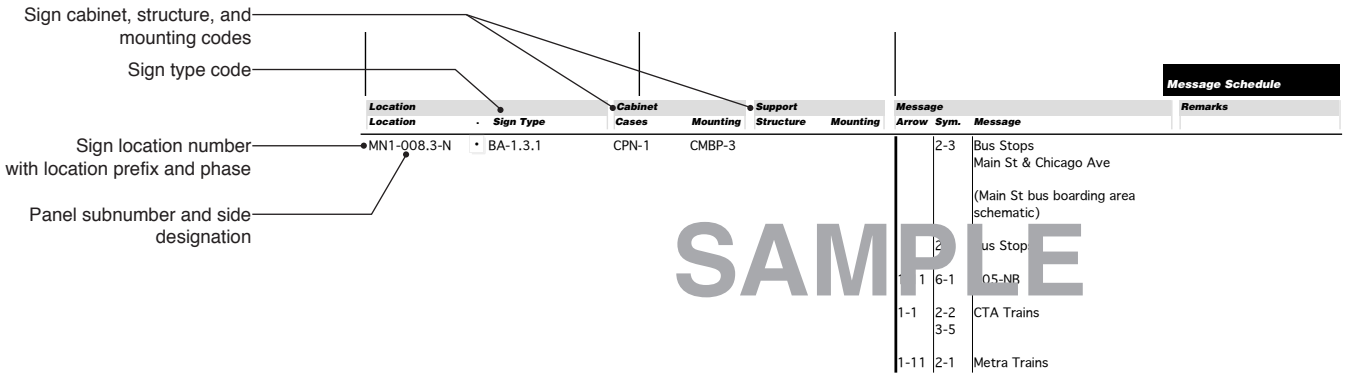
It is important to develop and maintain documentation of the sign locations and messages.

The RTA has established a GIS database for the interagency sign program. The database includes information about existing and potential sign locations.

The database shall include, but shall not be limited to, location markers, location numbers, sign type designations, location and mounting information, information documenting site conditions, information documenting completed installations, maintenance information, as well as other information about the fabrication and installation of the signs.

The database will be maintained by the RTA. The interagency signage contractor shall coordinate with the RTA regarding the type of information they will need to provide the RTA so that the database can be kept up-to-date.

Message Schedule Documentation



Typical Message Schedule entry

The sign location number typically has a format of AAN-NNN.N-A

AA	N	-	NNN	.	N	-	A
Two letter abbreviation for interagency location	Phase Number, if not "Phased" set at 1	Dash	Three digit location identifier within greater interagency location. Identifies location within grid. Use leading "zeros" to fill-in each digit holder, i.e. 001, 021.	Optional decimal point, used only when multiple sign types are installed on same structure	Optional One digit, if multiple sign types on structure this number identifies the position or sequence of the sign type.	Dash	One letter abbreviation for cardinal direction of sign face. N = North S = South E = East W = West

Detail of sign location number components

Description

General

The Message Schedule is a database of all the sign messages, the sign types, and, where applicable, the sign cabinets, sign structures, and sign mounting hardware codes. When double-sided signs are listed in the message schedule, the sign type, sign cabinet, sign structure, and sign mounting hardware codes will typically appear once for each sign location, not for each side. The sign type code will appear for each side for DSF and DSO sign types. See page A3.6 for additional information on sign type codes. The Message Schedule does not represent sign face layouts.

Sign Type Key

Introduction

The codes listed in the "Sign Type" field of the Message Schedule contain information related to the overall sign type or information product type, the size of the sign / product, its material, and the number of sides.

The codes will typically have one of the two formats listed below:

Signs except DSO, DSOI and DSW:
[sign type / product type designation]-[size designation].[material designation].[number of sides]

DSO, DSOI and DSW signs:
[DSO or DSOI or DSW]-[panel width (inches)]x[panel height (inches)].[material designation].[number of sides (will typically be single-sided)]

See page A3.7 for information regarding the size, material, and side designations used in the sign type codes.

See page A1.9 for additional information regarding the sign type, information product, and structure designations.

Example Sign Type codes:

BC-6.1.1
- *[product type designation]* Bus connections map
- *[size designation]* 32" x 44"
- *[material designation]* Laminated paper printed
- *[number of sides designation]* Single sided

DSS-3.5.2
- *[sign type designation]* Directional sign, sidewalk mounted
- *[size designation]* 18" x 24"
- *[material designation]*.080" aluminum panel with printed applied vinyl graphics
- *[number of sides designation]* Double sided

DSO-96x16.7.1
- *[sign type designation]* Directional sign, overhead mounted
- *[size designation]* 96" x 16" sign panel
- *[material designation]*.125" aluminum panel with printed applied vinyl graphics
- *[number of sides designation]* Single sided

Sign Type Key

Sign size designations:

The following size designations are used in the sign type codes:

BA, BT
0 = 9" x 23"
1 = 9" x 28"
2 = 9" x 42.5"

BB
1 = 13" diameter with 1" x 5" tab
2 = 18" x 8.5"
3 = 18" x 18"

BS
1 = 18" x 24"
2 = 18" x 30"

DSS
1 = 12" x 18"
2 = 12" x 22"
3 = 18" x 24"
4 = 18" x 30"

DSF
1 = 15" x 15"

BC, ID, MD, MN, NB, TC, TR
1 = 12" x 18"
2 = 18" x 24"
3 = 18" x 30"
4 = 24" x 30"
5 = 32" x 18"
6 = 32" x 44"
7 = 41" x 18"

DSW, DSO, DSOI
Actual sign panel size is provided as width x height in inches – see page A3.6 for examples.

Material designations:

The following general material designations are used in the sign codes. These designations apply to all sign types:

1 = Laminated paper printed
2 = Self-adhesive vinyl with digitally printed graphics
3 = Styrene with printed applied vinyl graphics
4 = .063" aluminum panel with digitally printed applied vinyl graphics
5 = .080" aluminum panel with digitally printed applied vinyl graphics
6 = .080" aluminum panel with digitally printed applied reflective vinyl graphics
7 = .125" aluminum panel with digitally printed applied vinyl graphics
8 = .125" Rhino Panel
9 = .5" Rhino Panel
10 = Aluminum composite with digitally printed applied vinyl graphics
11 = .125" clear and .125" translucent white polycarbonate with digitally printed applied vinyl graphics
12 = .125" acrylic with digitally printed applied vinyl graphics
13 = .5" acrylic with digitally printed applied vinyl graphics

Number of side designations:

The following number of side designations are used in the sign codes. These designations apply to all sign types:

1 = Single Sided
2 = Double Sided
3 = Three Sided

See pages A3.8 to A3.12 for examples of sign type and sign structure codes that are used in the Message Schedule.

Sign Type Key

Sign Type Code	Description
BA-0.1.1	9" x 23" laminated paper printed, single sided
BA-1.1.1	9" x 28" laminated paper printed, single sided
BA-1.3.1	9" x 28" Styrene with printed applied vinyl graphics, single sided
BA-2.1.1	9" x 42.5" laminated paper printed, single sided
BA-2.3.1	9" x 42.5" Styrene with printed applied vinyl graphics, single sided
BB-0.2.1	12" diameter self-adhesive vinyl with digitally printed graphics, single sided
BB-1.5.2	13" diameter (plus tab) .080" aluminum panel with digitally printed applied vinyl graphics, double sided
BB-2.5.2	18" x 8.5" .080" aluminum panel with digitally printed applied vinyl graphics, double sided
BB-3.6.2	18" x 18" .080" aluminum panel with digitally printed applied reflective vinyl graphics, double sided
BC-6.1.1	32" x 44" laminated paper printed, single sided
BC-6.2.1	32" x 44" self-adhesive vinyl with digitally printed graphics, single sided
BS-1.6.2	18" x 24" .080" aluminum panel with digitally printed applied reflective vinyl graphics, double sided
BS-2.6.2	18" x 30" .080" aluminum panel with digitally printed applied reflective vinyl graphics, double sided
BT-0.1.1	9" x 23" laminated paper printed, single sided
BT-1.1.1	9" x 28" laminated paper printed, single sided
BT-1.3.1	9" x 28" Styrene with printed applied vinyl graphics, single sided
BT-2.1.1	9" x 42.5" laminated paper printed, single sided
BT-2.3.1	9" x 42.5" Styrene with printed applied vinyl graphics, single sided
DSF-1.7.1	15" x 15" .125" aluminum panel with digitally printed applied vinyl graphics, single sided
DSO-48x12.7.1	48" x 12" .125" aluminum panel with digitally printed applied vinyl graphics, single sided
DSO-48x16.7.1	48" x 16" .125" aluminum panel with digitally printed applied vinyl graphics, single sided
DSO-72x16.7.1	72" x 16" .125" aluminum panel with digitally printed applied vinyl graphics, single sided
DSO-96x16.7.1	96" x 16" .125" aluminum panel with digitally printed applied vinyl graphics, single sided
DSOI-96x14.11.1	96" x 14" .125" clear and .125" translucent white polycarbonate with digitally printed applied vinyl graphics, single sided
DSOI-110x22.11.1	110" x 22" .125" clear and .125" translucent white polycarbonate with digitally printed applied vinyl graphics, single sided
DSO-[w]x[h].7.1	Size varies with location .125" aluminum panel with digitally printed applied vinyl graphics, single sided
DSO-[w]x[h].10.1	Size varies with location .125" aluminum panel with digitally printed applied vinyl graphics, single sided
DSOI-[w]x[h].11.1	Size varies with location .125" clear and .125" translucent white polycarbonate with digitally printed applied vinyl graphics, single sided
DSS-1.2.1	12" x 18" self-adhesive vinyl with digitally printed graphics, single sided
DSS-1.5.1	12" x 18" .080" aluminum panel with digitally printed applied vinyl graphics, single sided
DSS-1.5.2	12" x 18" .080" aluminum panel with digitally printed applied vinyl graphics, double sided
DSS-2.2.1	12" x 22" self-adhesive vinyl with digitally printed graphics, single sided
DSS-2.5.1	12" x 22" .080" aluminum panel with digitally printed applied vinyl graphics, single sided
DSS-3.2.1	18" x 24" self-adhesive vinyl with digitally printed graphics, single sided
DSS-3.5.1	18" x 24" .080" aluminum panel with digitally printed applied vinyl graphics, single sided
DSS-3.5.2	18" x 24" .080" aluminum panel with digitally printed applied vinyl graphics, double sided
DSS-4.2.1	18" x 30" self-adhesive vinyl with digitally printed graphics, single sided

Sign Type Key

Sign Type Code	Description
DSS-4.5.1	18" x 30" .080" aluminum panel with digitally printed applied vinyl graphics, single sided
DSS-4.5.2	18" x 30" .080" aluminum panel with digitally printed applied vinyl graphics, double sided
DSW-24x15.2.1	24" x 15" self-adhesive vinyl with digitally printed graphics, single sided
DSW-24x15.5.1	24" x 15" .080" aluminum with digitally printed applied vinyl graphics, Single Sided
DSW-24x15.8.1	24" x 15" .125" Rhino Panel, single sided
DSW-24x15.9.1	24" x 15" .5" Rhino Panel, single sided
DSW-24x15.12.1	24" x 15" .125" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-24x15.13.1	24" x 15" .5" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-24x23.2.1	24" x 23" self-adhesive vinyl with digitally printed graphics, single sided
DSW-24x23.5.1	24" x 23" .080" aluminum with digitally printed applied vinyl graphics, Single Sided
DSW-24x23.8.1	24" x 23" .125" Rhino Panel, single sided
DSW-24x23.9.1	24" x 23" .5" Rhino Panel, single sided
DSW-24x23.12.1	24" x 23" .125" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-24x23.13.1	24" x 23" .5" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-24x30.2.1	24" x 30" self-adhesive vinyl with digitally printed graphics, single sided
DSW-24x30.5.1	24" x 30" .080" aluminum with digitally printed applied vinyl graphics, Single Sided
DSW-24x30.8.1	24" x 30" .125" Rhino Panel, single sided
DSW-24x30.9.1	24" x 30" .5" Rhino Panel, single sided
DSW-24x30.12.1	24" x 30" .125" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-24x30.13.1	24" x 30" .5" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-30x15.2.1	30" x 15" self-adhesive vinyl with digitally printed graphics, single sided
DSW-30x15.5.1	30" x 15" .080" aluminum with digitally printed applied vinyl graphics, Single Sided
DSW-30x15.8.1	30" x 15" .125" Rhino Panel, single sided
DSW-30x15.9.1	30" x 15" .5" Rhino Panel, single sided
DSW-30x15.12.1	30" x 15" .125" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-30x15.13.1	30" x 15" .5" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-30x23.2.1	30" x 23" self-adhesive vinyl with digitally printed graphics, single sided
DSW-30x23.5.1	30" x 23" .080" aluminum with digitally printed applied vinyl graphics, Single Sided
DSW-30x23.8.1	30" x 23" .125" Rhino Panel, single sided
DSW-30x23.9.1	30" x 23" .5" Rhino Panel, single sided
DSW-30x23.12.1	30" x 23" .125" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-30x23.13.1	30" x 23" .5" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-30x30.2.1	30" x 30" self-adhesive vinyl with digitally printed graphics, single sided
DSW-30x30.5.1	30" x 30" .080" aluminum with digitally printed applied vinyl graphics, Single Sided
DSW-30x30.8.1	30" x 30" .125" Rhino Panel, single sided
DSW-30x30.9.1	30" x 30" .5" Rhino Panel, single sided
DSW-30x30.12.1	30" x 30" .125" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-30x30.13.1	30" x 30" .5" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-36x15.2.1	36" x 15" self-adhesive vinyl with digitally printed graphics, single sided

Sign Type Key

Sign Type Code	Description
DSW-36x15.5.1	36" x 15" .080" aluminum with digitally printed applied vinyl graphics, Single Sided
DSW-36x15.8.1	36" x 15" .125" Rhino Panel, single sided
DSW-36x15.9.1	36" x 15" .5" Rhino Panel, single sided
DSW-36x15.12.1	36" x 15" .125" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-36x15.13.1	36" x 15" .5" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-36x23.2.1	36" x 23" self-adhesive vinyl with digitally printed graphics, single sided
DSW-36x23.5.1	36" x 23" .080" aluminum with digitally printed applied vinyl graphics, Single Sided
DSW-36x23.8.1	36" x 23" .125" Rhino Panel, single sided
DSW-36x23.9.1	36" x 23" .5" Rhino Panel, single sided
DSW-36x23.12.1	36" x 23" .125" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-36x23.13.1	36" x 23" .5" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-36x30.2.1	36" x 30" self-adhesive vinyl with digitally printed graphics, single sided
DSW-36x30.5.1	36" x 30" .080" aluminum with digitally printed applied vinyl graphics, Single Sided
DSW-36x30.8.1	36" x 30" .125" Rhino Panel, single sided
DSW-36x30.9.1	36" x 30" .5" Rhino Panel, single sided
DSW-36x30.12.1	36" x 30" .125" acrylic with digitally printed applied vinyl graphics, Single Sided
DSW-36x30.13.1	36" x 30" .5" acrylic with digitally printed applied vinyl graphics, Single Sided
ID-1.2.1	12" x 18" self-adhesive vinyl with digitally printed graphics, single sided
ID-1.5.1	12" x 18" .080" aluminum panel with digitally printed applied vinyl graphics, single sided
ID-2.2.1	18" x 24" self-adhesive vinyl with digitally printed graphics, single sided
ID-2.5.1	18" x 24" .080" aluminum panel with digitally printed applied vinyl graphics, single sided
ID-6.1.1	32" x 44" laminated paper printed, single sided
ID-6.2.1	32" x 44" self-adhesive vinyl with digitally printed graphics, single sided
MD-6.1.1	32" x 44" laminated paper printed, single sided
MD-6.2.1	32" x 44" self-adhesive vinyl with digitally printed graphics, single sided
MN-6.1.1	32" x 44" laminated paper printed, single sided
MN-6.2.1	32" x 44" self-adhesive vinyl with digitally printed graphics, single sided
NB-6.1.1	32" x 44" laminated paper printed, single sided
NB-6.2.1	32" x 44" self-adhesive vinyl with digitally printed graphics, single sided
TC-6.1.1	32" x 44" laminated paper printed, single sided
TC-6.2.1	32" x 44" self-adhesive vinyl with digitally printed graphics, single sided
TR-6.1.1	32" x 44" laminated paper printed, single sided
TR-6.2.1	32" x 44" self-adhesive vinyl with digitally printed graphics, single sided
TR-3.2.1	18" x 30" self-adhesive vinyl with digitally printed graphics, single sided
TR-3.5.1	18" x 30" .080" aluminum panel with digitally printed applied vinyl graphics, single sided
TR-3.12.1	18" x 30" .125" acrylic with digitally printed applied vinyl graphics, Single Sided
TR-3.13.1	18" x 30" .5" acrylic with digitally printed applied vinyl graphics, Single Sided

Sign Type Key

Legacy Sign Types

Sign Type Code	Description
TR-1*	N/A
TR-2*	N/A
TR-3*	N/A
TR-4*	N/A
TR-5*	N/A
TR-6*	N/A
TRV-1*	N/A
TRV-6*	N/A
TT-2*	N/A
TT-3*	N/A
TTV-3*	N/A
TT-4*	N/A
TT-5*	N/A

** These are "legacy" sign types that will no longer be specified for new locations.*

Sign Structure Key

The codes listed in the "Support Structure" field of the Message Schedule contain information that may include the overall sign structure type, the size of the sign structure, and the number of sides.

Not all sign structure designations are listed below – see page A1.9 for additional information regarding the different sign structure designations.

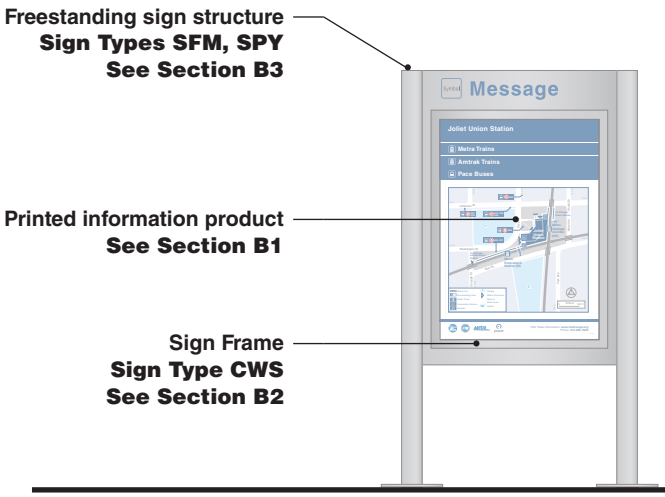
The following designations are used in the codes for the SFM, SPY, and SWM support structures:

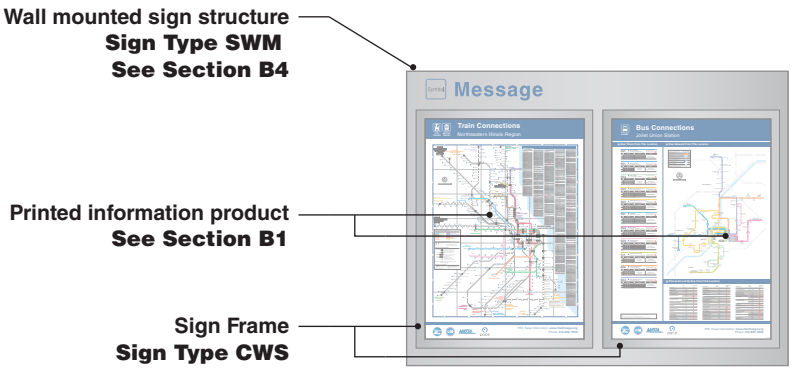
Structure Code	Description
SFM-1.1	Structure, freestanding mount, one frame on one side
SFM-1.2	Structure, freestanding mount, one frame on each side
SFM-2.1	Structure, freestanding mount, two frames on one side
SFM-2.2	Structure, freestanding mount, two frames on each side
SFM-3.1	Structure, freestanding mount, three frames on one side
SFM-3.2	Structure, freestanding mount, three frames on each side
SFM-4.1	Structure, freestanding mount, four frames on one side
SFM-4.2	Structure, freestanding mount, four frames on each side
SPY-1.3	Structure, pylon (three-sided), one frame on each side
SWM-1.1	Structure, wall mount, one frame
SWM-2.1	Structure, wall mount, two frames
SWM-3.1	Structure, wall mount, three frames
SWM-4.1	Structure, wall mount, four frames

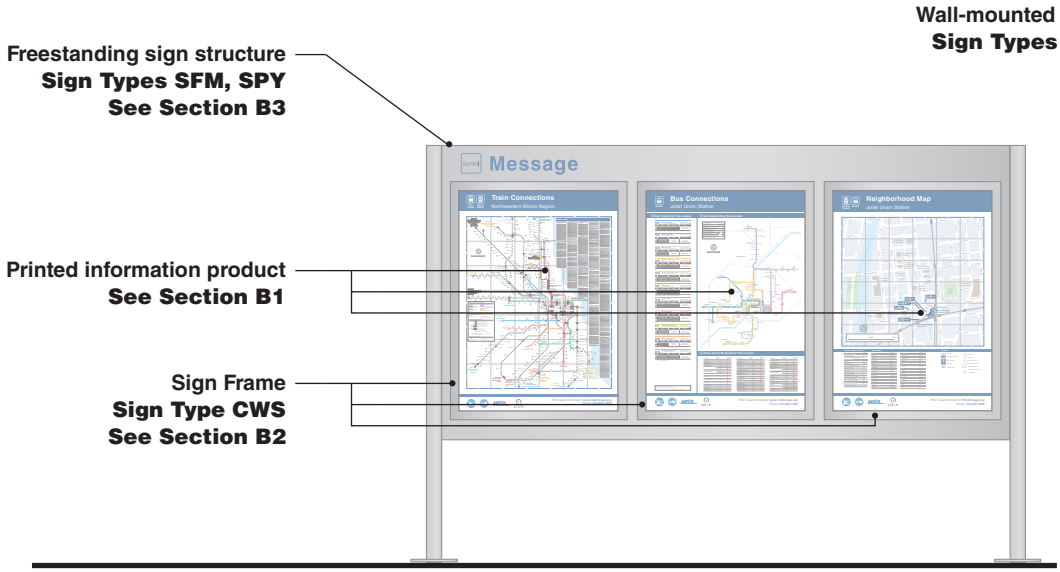
PART B

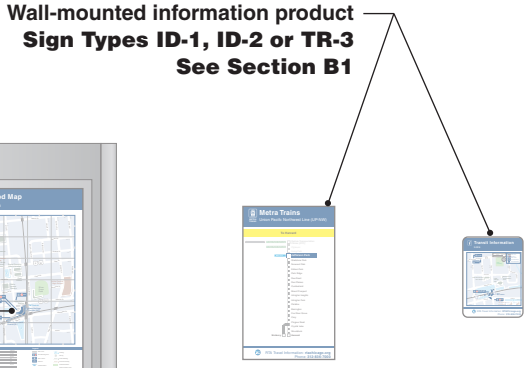
Information Graphics
Sign Frames / Cabinets
Freestanding Structures
Wall-Mounted Structures

Introduction







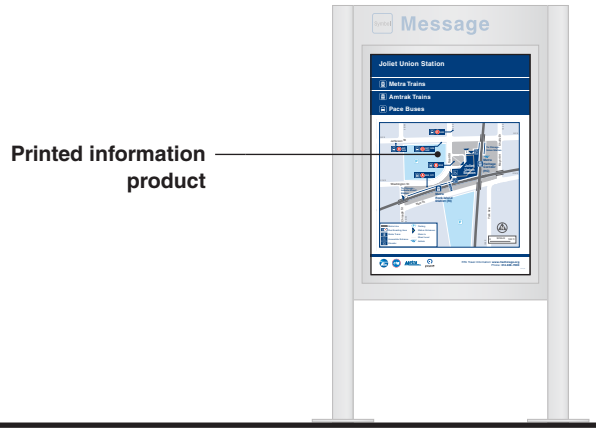


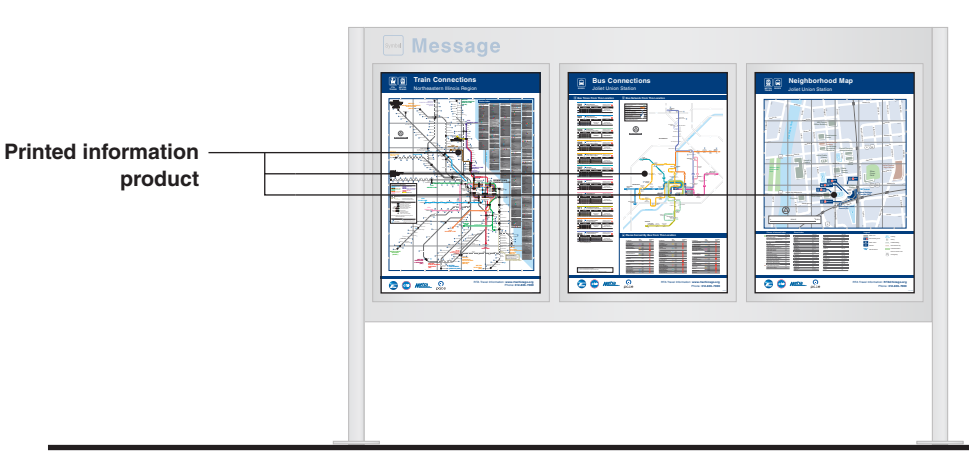
Description

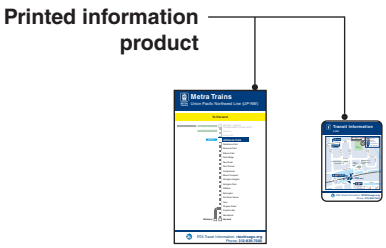
General

Part B general reference.

Section Introduction







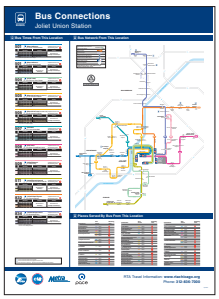
Description

General

Section B1 general reference.

SECTION B1
Information Graphics

Sign Type Overview

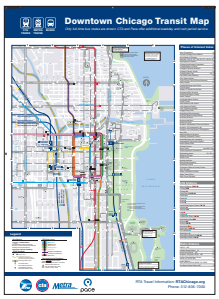


Sign Type BC
Bus Connections Map

Provides route diagrams, bus schedule and destination information

Sign Type ID
Station Identification

Provides identification of and information about transportation centers and locations

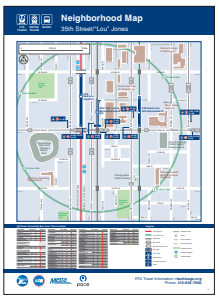


Sign Type MD
Downtown Chicago Transit Map

Provides transit information, points of interest, and location finder for the Chicago downtown area

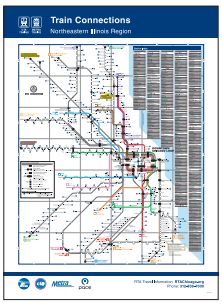
Sign Type MN
Neighborhood Map

Provides points of interest and location finder for the neighborhood



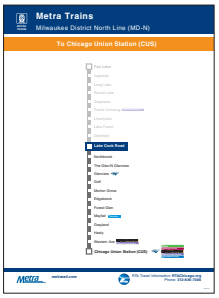
Sign Type NB
Neighborhood Bus Map

Provides points of interest and location finder for the neighborhood along with bus destination information.



Sign Type TC
Train Connections Map

Provides regional Metra and CTA rail routes and connections



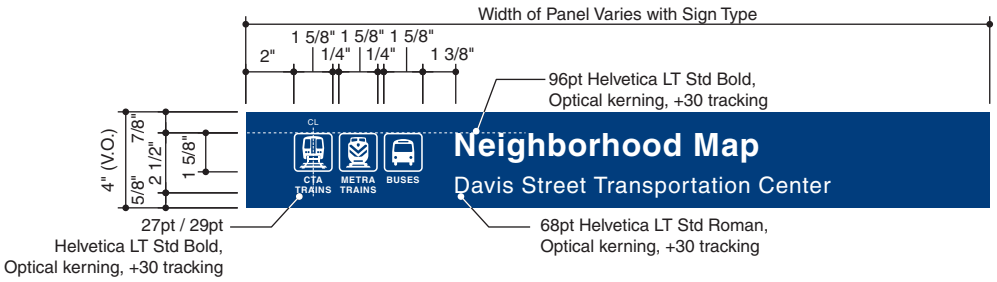
Sign Type TR
Train Route

Provides schematic map of Metra train stops for individual lines

Description

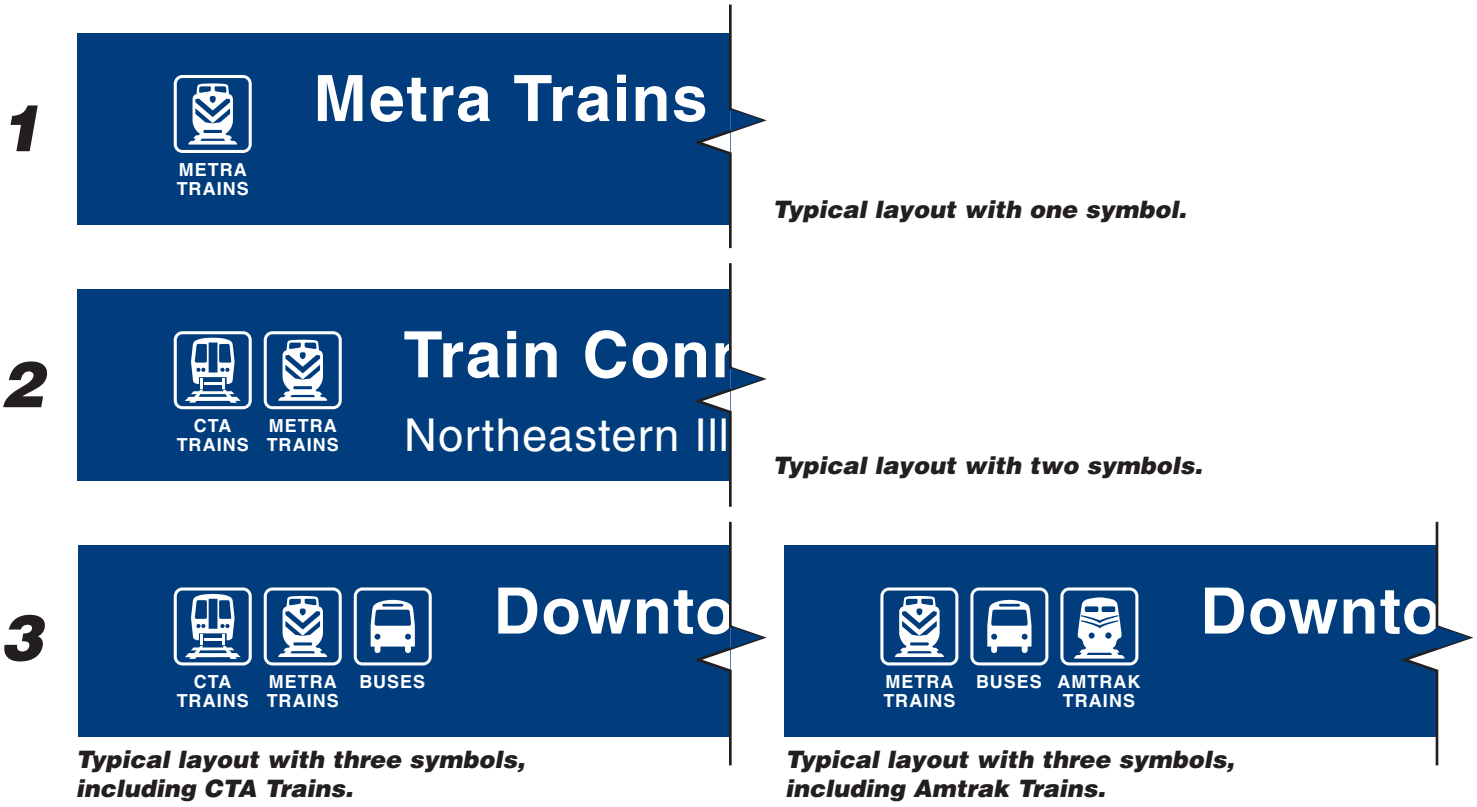
General

Information Graphics Sign Type Overview.



Elevation - Typical Header for Sign Types BC-6, MD-6, MN-6, NB-6, TC-6, and TR-6
(Example Header for Sign Type MD-6 Shown)

1 *Scale: 1 1/2" = 1'-0"*



2 ***Elevations - Typical Header Symbol Layouts***
Scale: 3" = 1'-0"

Description

Shown is the typical layout for the header portion of the following sign types:

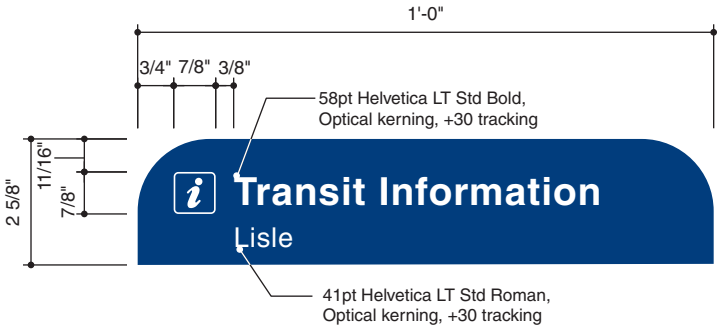
BC-6 – Bus Connections
MD-6 – Downtown Chicago Transit Map
MN-6 – Neighborhood Map
NB-6 – Neighborhood Bus Map
TC-6 – Train Connections
TR-6 – Train Route (does not include sign type TR-3)

Headers shall include one to three symbols. Symbols that appear shall reflect the information shown on the sign. Depending on overall content, sign types BC-6, MD-6, MN-6, NB-6, TC-6, and TR-6 will include up to three mode symbols (mode symbols are the symbols for CTA Trains, Metra Trains, Buses, and Amtrak Trains).*

** Locations that include Amtrak trains in the header do not include CTA trains, and will have a maximum of three symbols in the header.*

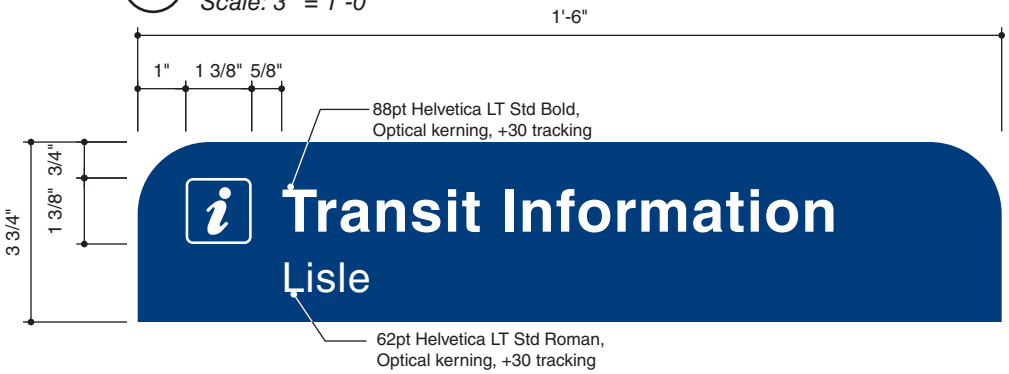
Mode symbols shall always be shown in the following order (left to right):
First: CTA Trains
Second: Metra Trains
*Third: Buses and / or Amtrak Trains**

If a particular mode is not included in the sign information, the symbol positions shall shift to the left as required. A digital base art file, for use when developing final art for header graphics, shall be provided by the RTA.



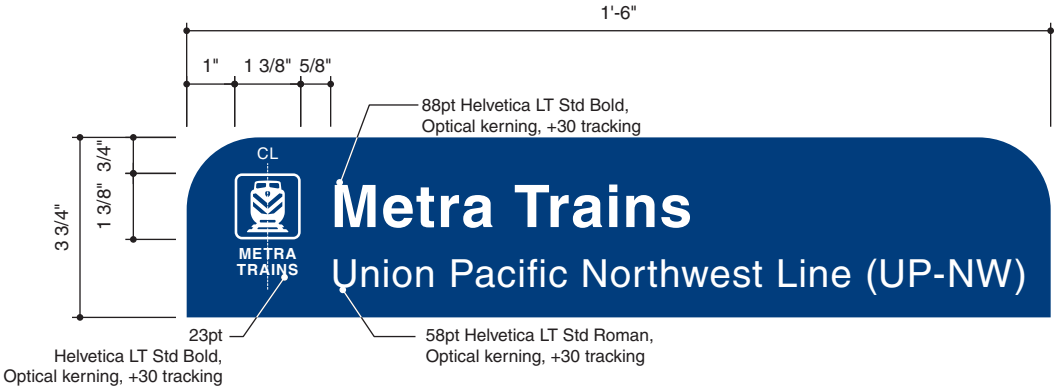
1 ***Elevation - Typical Footer for Sign Type ID-1***

Scale: 3" = 1'-0"



2 ***Elevation - Typical Footer for Sign Type ID-2***

Scale: 3" = 1'-0"



3 ***Elevation - Typical Footer for Sign Type TR-3***

Scale: 3" = 1'-0"

Description

Shown is the typical layout for the header portion of the following sign types:

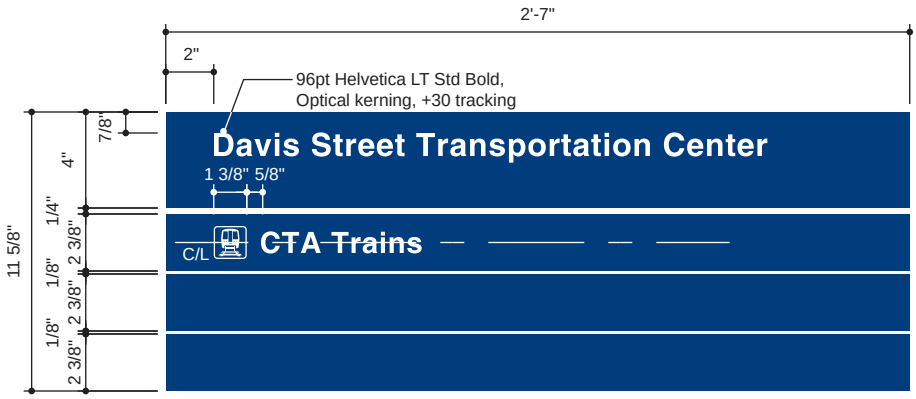
ID-1, ID-2 – Station Identification
TR-3 – Train Route

Headers shall include one symbol. Sign types ID-1 and ID-2 shall have the Information symbol, sign type TR-3 shall have the symbol for Metra Trains.

The primary header text for sign types ID-1 and ID-2 shall always be "Transit Information." The secondary header text shall vary with location.

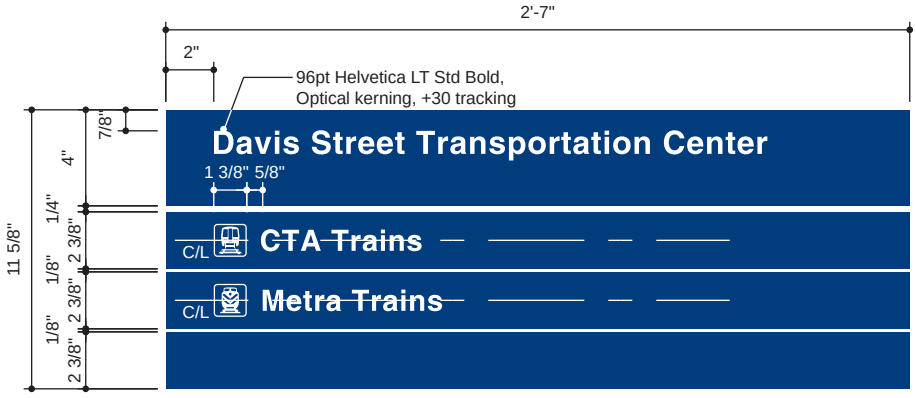
The primary header text for sign type TR-3 shall be "Metra Trains." The secondary header text shall vary depending on the Metra Line shown on the sign.

Digital base art files, for use when developing final art for the sign type ID-1, ID-2, and TR-3 header graphics, shall be provided by the RTA.



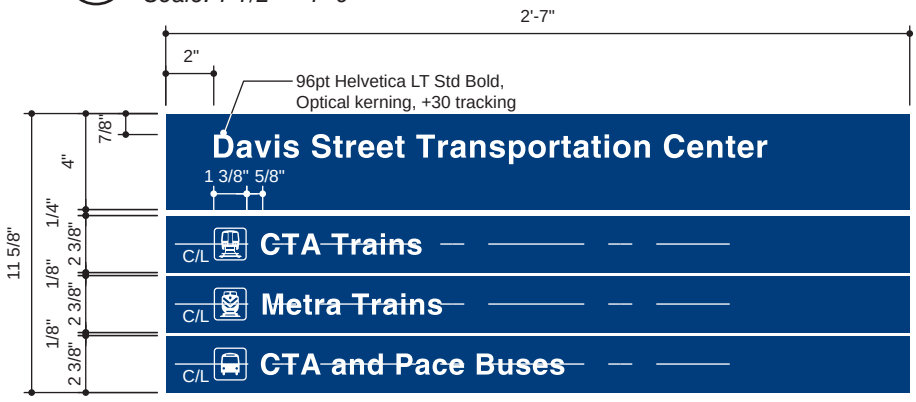
1 ***Elevation - Typical Header for Sign Type ID-6 with 1 Mode***

Scale: 1 1/2" = 1'-0"



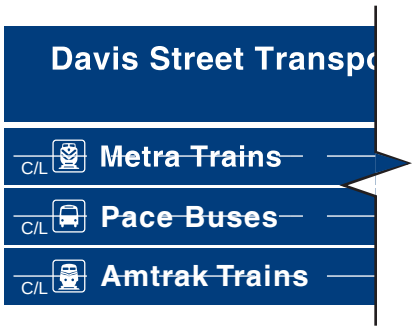
2 ***Elevation - Typical Header for Sign Type ID-6 with 2 Modes***

Scale: 1 1/2" = 1'-0"



3 ***Elevation - Typical Header for Sign Type ID-6 with 3 Modes***

Scale: 1 1/2" = 1'-0"



Alternate header with 3 modes, including Amtrak Trains.

Description

Shown is the typical layout for the header portion of sign type ID-6: Station Identification.

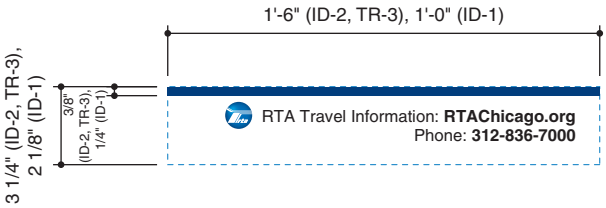
Depending on overall content, sign type ID-6 will include up to three mode symbols in the header (mode symbols are the symbols for CTA Trains, Metra Trains, and Buses, and Amtrak Trains).*
** Locations that include Amtrak trains in the header do not include CTA trains, and will have a maximum of three symbols in the header.*

Mode symbols shall always be shown in the following order (top to bottom):
First: CTA Trains
Second: Metra Trains
*Third: Buses (CTA, Pace, or CTA and Pace) and / or Amtrak Trains**

If a particular mode is not included in the sign information, the symbol positions shall shift up as required.

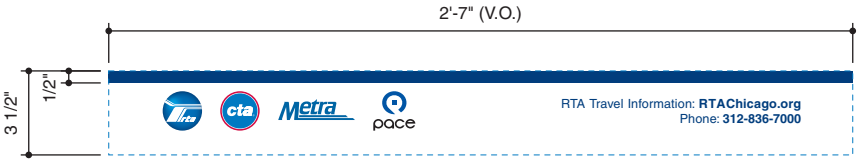
A digital base art file, for use when developing final art for Sign Type ID-6 header graphics, shall be provided by the RTA.

Footer Layouts



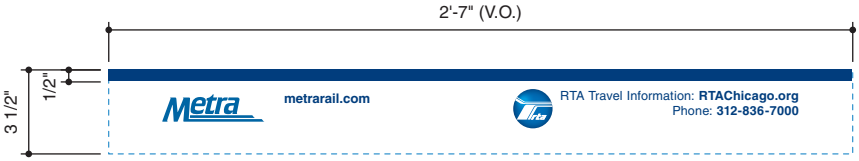
1 ***Elevation - Typical Footer for Sign Types ID-1, ID-2, and TR-3***

Scale: 1 1/2" = 1'-0"



2 ***Elevation - Typical Footer for Sign Types BC, ID-6, MD, MN, NB and TC***

Scale: 1 1/2" = 1'-0"



3 ***Elevation - Typical Footer for Sign Type TR-6***

Scale: 1 1/2" = 1'-0"

Description

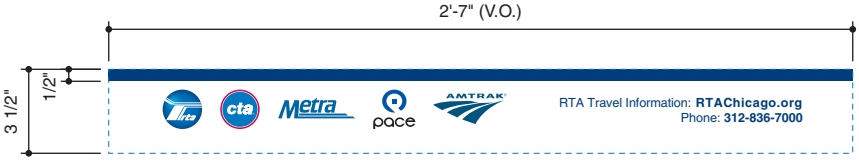
Shown is the typical layout for the footer portion of the following sign types:

BC-6 – Bus Connections
ID-1, ID-2, ID-6 – Station Identification
MD-6 – Downtown Chicago Transit Map
MN-6 – Neighborhood Map
NB-6 – Neighborhood Bus Map
TC-6 – Train Connections
TR-3, TR-6 – Train Route

All footers shall include contact information for RTA Travel Information. Except for sign types ID-1, ID-2, and TR-3, the footers shall include the RTA and Service Board logos. The footer for sign types ID-1, ID-2, and TR-3 shall include only the RTA logo. Footers at locations where Metra and Amtrak stations are co-located shall also include the Amtrak logo (see page B1.7). The footer for sign type TC-6 used at locations where Metra and South Shore stations are co-located shall also include the South Shore logo (see page B1.6).

A digital base art file, for use when developing final art for footer graphics, shall be provided by the RTA.

Footer Layouts



1 ***Elevation - Typical Footer for Sign Types BC-6, ID-6, MD-6, MN-6, and TC-6 with Amtrak Logo***

Scale: 1 1/2" = 1'-0"

2 ***Elevation - Typical Footer for Sign Type TR-6 with Amtrak Logo***

Scale: 1 1/2" = 1'-0"

3 ***Elevation - Typical Footer for Sign Type TC-6 with South Shore Logo***

Scale: 1 1/2" = 1'-0"

Description

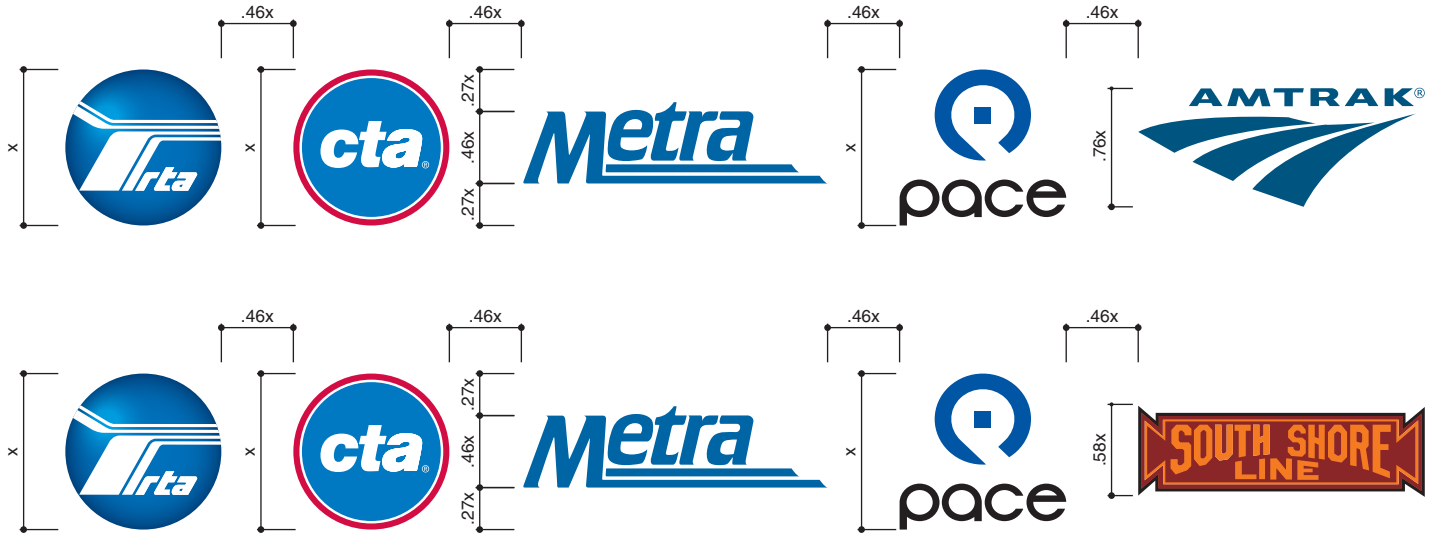
Shown are the special layouts for the footer portion of the following sign types:

BC-6 – Bus Connections
ID-6 – Station Identification
MD-6 – Downtown Chicago Transit Map
MN-6 – Neighborhood Map
NB-6 – Neighborhood Bus Map
*TC-6 – Train Connections**
TR-6 – Train Route
**The South Shore logo is only used on the footer of the Train Connections product.*

All footers for sign types shown on this page shall include the RTA and Service Board logos and contact information for RTA Travel Information. Footers at locations where Metra and Amtrak stations are co-located shall also include the Amtrak logo. The footer for sign type TC-6 used at locations where Metra and South Shore stations are co-located shall also include the South Shore logo.

A digital base art file, for use when developing final art for footer graphics, shall be provided by the RTA.

Footer Logo Proportions



1 ***Proportions of Logos in Footer Graphics***
Scale: N.T.S.

Description

When they appear in the footers of interagency signs and graphics, the RTA and Service Board logos shall be sized as shown in this Manual. Shown are the proportions for sizing and placing the RTA and Service Board logos when they appear in the footers of the following sign types:

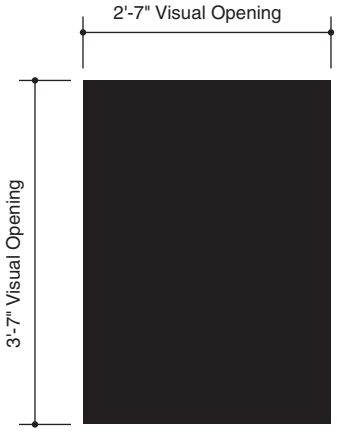
BC – Bus Connections
ID – Station Identification
MD – Downtown Chicago Transit Map
MN – Neighborhood Map
NB – Neighborhood Bus Map
*TC – Train Connections**
TR – Train Route

**The South Shore logo is only used on the footer of the Train Connections product.*

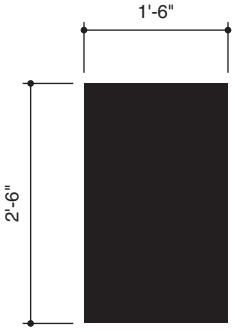
For similar interagency graphics that include the RTA and Service Board logos that are not currently covered by this manual, the RTA and Service Board logos shall typically be sized per the proportions indicated.

Pre-production proofs, or similar pre-production review graphics, of all interagency signs and graphics shall be provided for review by the RTA prior to final production of any signs or graphics.

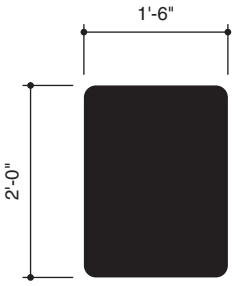
Standard Size Summary



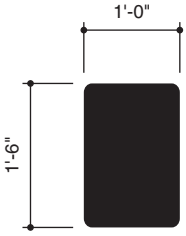
Sign Types BC-6, ID-6, MD-6, MN-6, NB-6, TC-6 & TR-6



Sign Type TR-3



Sign Type ID-2



Sign Type ID-1

Description

General

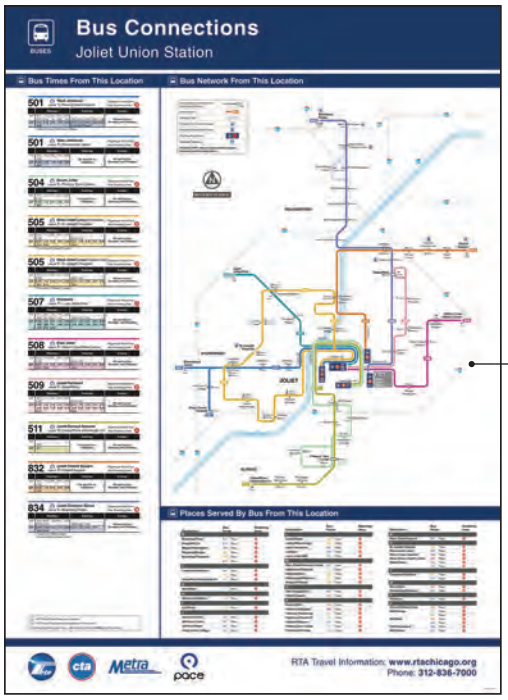
Information Graphics Standard Size Summary.

(V.O. = Visual Opening)

Print size indicated is for artwork used in CWS snap frames.

2'-7" V. O., 2'-8" Print Size, 2'-8 3/4" Lamination Size

3'-7" V. O., 3'-8" Print Size, 3'-8 3/4" Lamination Size



1

1 Elevation - Sign Type BC-6
Scale: 1" = 1'-0"

Associated Sign Cabinet / Frame Information:
New Location and Installation:
Sign type BC-6 is typically mounted using a CWS-1 snap frame. For information on CWS-1, see Section B2.

Description

General

Sign type BC-6 provides schematic diagrams of the bus routes originating from the site where the sign type is located, along with bus schedule and destination information. Typically, scheduled bus times should be used on information products. When headway is less than 15 minutes, RTA may select to show headway intervals. Sign type BC-6 content will vary with location. See page B1.11 for Design and Layout Notes.

1 Bus Connections Graphic

The BC-6 graphic shall be digitally printed at high resolution using UV resistant inks directly onto a substrate specified by the RTA.

The graphic shown is for reference only. Final content for each sign type BC-6 shall vary with location. Typical content may include, but shall not be limited to, a schematic representation of the applicable bus routes, showing route numbers, stops, and estimated travel times; a table of places served by the bus routes shown on the sign; and bus schedules for each bus route. Digital art for sign type BC-6 may be provided by the RTA. When directed to do so by the RTA, determine the final content and develop the final art for the required site-specific graphics using existing BC-6 signs as precedents for layout and color. Bus schedule information shall be provided by the RTA.

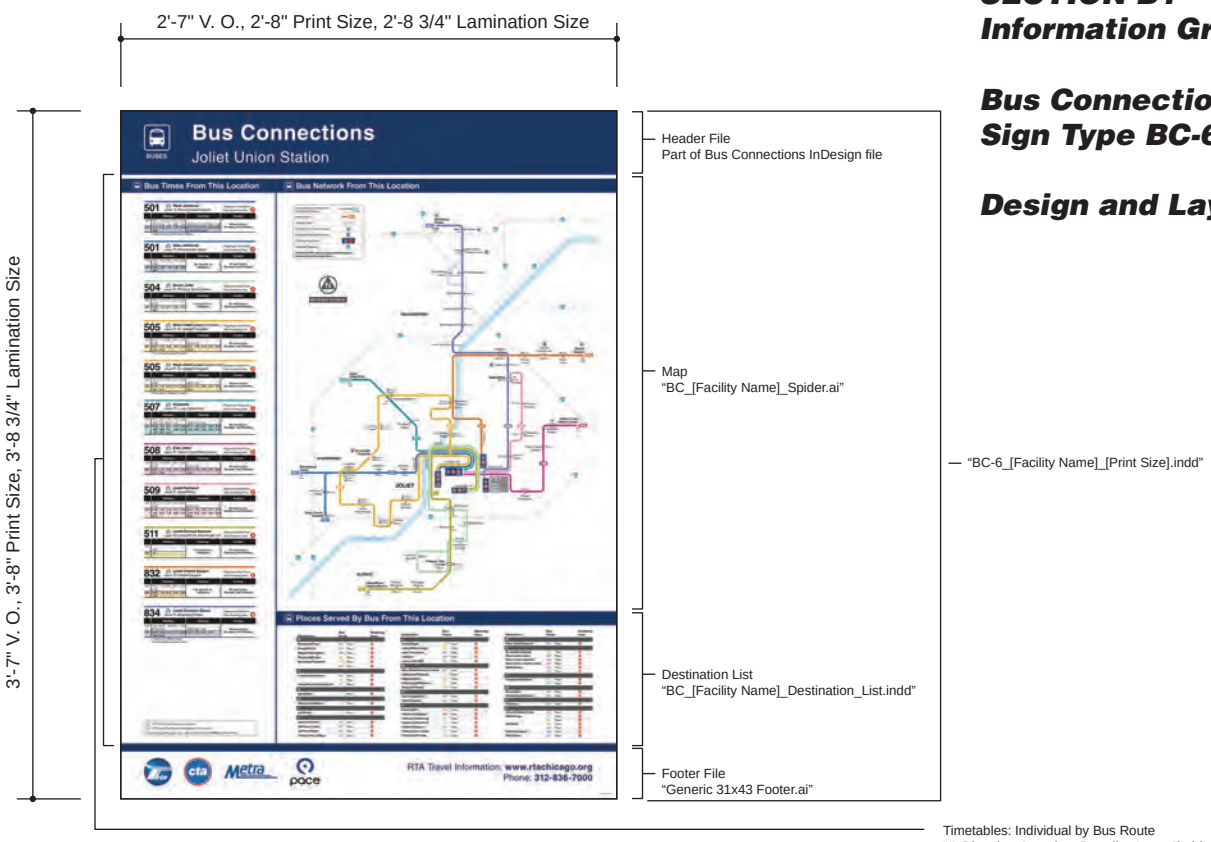
Sign type BC-6 shows bus routes as schematic lines that reflect the actual roadways. Key elements like Lake Michigan, rivers, or nearby major highways may also be shown to help provide location references. The route diagram is not to scale. Examples of existing BC-6 signs, digital template files for the BC-6 graphics, and base art files for the header and footer graphics shall be provided by the RTA. All new BC-6 graphics must be reviewed and accepted by the RTA prior to production of the final signs.

The typical visual opening (V. O.) size shown applies when sign type BC-6 appears in a CWS-1 snap frame. The print size / lamination size may need to be adjusted to coordinate with the CWS snap frame, or to respond to specific conditions at each installation location.

Coordinate the BC-6 graphic and the overall panel size with the mounting conditions and hardware at each installation location.

Bus Connections Map Sign Type BC-6

Design and Layout Notes



1 ***Elevation - Sign Type BC-6***

Scale: 1" = 1'-0"

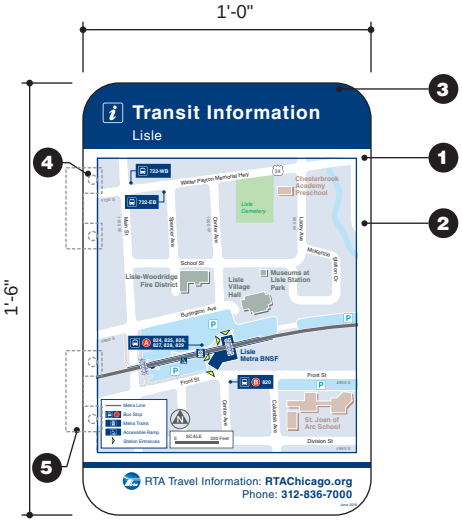
Description

General Design and Layout Information – Sign Type BC-6

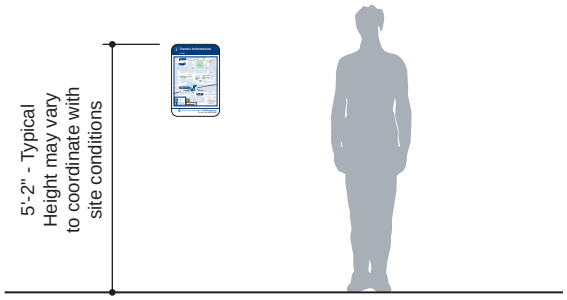
- *Each sign type BC-6 typically includes separate file components that are linked into a single, master product file using Adobe InDesign software. See the drawing above for additional information regarding the file components.*
- *The header for sign type BC-6 includes the overall location name or the overall station name. The header content will change at different sites. Generally, the footer information does not vary except for the inclusion on the Amtrak logo at locations where appropriate.*
- *A blue band below the header organizes the graphic into a column for "Bus Times From This Location" (bus schedules) and an area for the route diagram titled "Bus Network From This Location." Information in this band does not change.*
- *Bus routes are presented as a schematic diagram. Each route is assigned a color. If sign type BT is also used at the site, use the same colors for the bus routes that are used on the BT signs. See Section A2 for information regarding the colors to be used. The routes are not to scale, but do generally follow a simplified overall roadway configuration and correspond to compass directions. North is at the top of the diagram.*
- *Simplified representations of landmarks like rivers, Lake Michigan, major highways, and city names may be included to help orient the routes and give overall context to the diagram. Buildings, street names, and other physical or geographic features are not included.*
- *Time point stops, approximate travel times, and transfer locations/shared stops are indicated along the schematic route lines. Transfer locations are identified using symbols. Route termini are also indicated. RTA will provide the bus route information to be shown.*
- *Below the route diagram, a blue band creates a space for a table listing "Places Served By Bus From This Location". The table alphabetically lists the time point stops, transfer locations, and termini shown on the diagram along with the corresponding bus route numbers and the bus stops used to access each bus route. The route numbers are shown in the color used for the route in the diagram.*
- *Bus timetables are shown to the left of the route diagram. Timetables are headed and separated by color bands that correspond to the colors used for the bus routes shown on the route diagram. The timetables list the route number, the service provider logo, the route name, the route terminus, and the bus stop from which the bus departs. On the timetables, AM bus times are shown in Roman, PM bus times are shown in Bold. The PM bus times also have a shaded background the using a 30% tint of the bus route color.*
- *When developing art for sign type BC-6, schedule information shall be provided by the RTA in XML format. Bus timetables are individual InDesign files that are linked into both the BC-6 master file and each Bus Times (BT) (page C3.8) InDesign file. Import the XML schedule information into the formatted individual InDesign timetable files provided by the RTA.*
- *New BC-6 graphics shall be developed using existing examples as precedents for layout, color, and content. Typography and symbol sizes and styles for new BC-6 signs shall match typography and symbols on existing BC-6 signs.*

Transportation Center ID Sign Type ID-1

General Information



1 **Elevation - Sign Type ID-1**
Scale: 1 1/2" = 1'-0"



2 **Elevation - Typical Mounting Height**
Scale: 1/4" - 1'-0"

Sign Post and Sign Mounting Information:
Sign type ID-1 can be wall mounted or mounted to new or existing sign posts.
See Section C4 for additional information.

Description

General

Sign type ID-1 is a single or double-sided aluminum panel that identifies a transit facility or location. Sign type ID-1 includes a map of the area around the facility or location that provides pedestrians with general location and transit information.

The graphic shown is for reference only. Final content for each sign type ID-1 shall vary with location. Typical content may include, but shall not be limited to, a simplified map of the area surrounding the transportation center or location, the location and type of transportation options available nearby, bus stops, nearby parking, and select landmarks and public buildings. The overall area included on the map may vary depending on the where the map is located. Typically, the area represented on the map should be about 1/2 of a mile on each side (.25 square miles), the transit facility or location identified in the sign header should be in the center of the map, and the destinations shown should all be within walking distance. Maps located in downtown Chicago may use a different scale. Destinations shown should be permanent and non-commercial locations. These may include, but are not limited to, parks, schools, and government and civic buildings.

Digital art for sign type ID-1 may be provided by the RTA. When directed to do so by the RTA, determine the final content and develop the final art for the required site-specific graphics using existing ID-1 signs as precedents for content, layout, and color. Examples of existing ID signs, digital template files for the ID-1 graphics, and base art files for the header and footer graphics shall be provided by the RTA. All new ID-1 graphics must be reviewed and accepted by the RTA prior to production of the final signs. See page B1.14 for Design and Layout Notes.

1 Aluminum Sign Panel

The sign substrate is a .08" thick solid aluminum panel. Single-sided signs shall have painted backs.

2 Background

The overall background of the sign and the white text and graphics shall be an exterior-grade, premium cast white printable graphic film. Double sided panels shall have the printed film applied to both sides of the panel. Single sided panels shall have the printed film applied to the face side of the sign and the back side of the sign shall be painted color 1.

3 Digitally Printed Graphics

The graphics shall be digitally printed at high resolution directly onto the graphic film using custom formulated, UV-resistant, exterior grade, opaque inks. The inks shall be formulated to match the colors specified and to be compatible with the graphic film. Protect printed graphics with an exterior grade clear protective anti-graffiti overlaminate that is compatible with the graphic film and the printed graphics. The graphic film and the clear protective overlaminate shall be trimmed flush with the edges of the sign.

4 Holes for Mounting Hardware

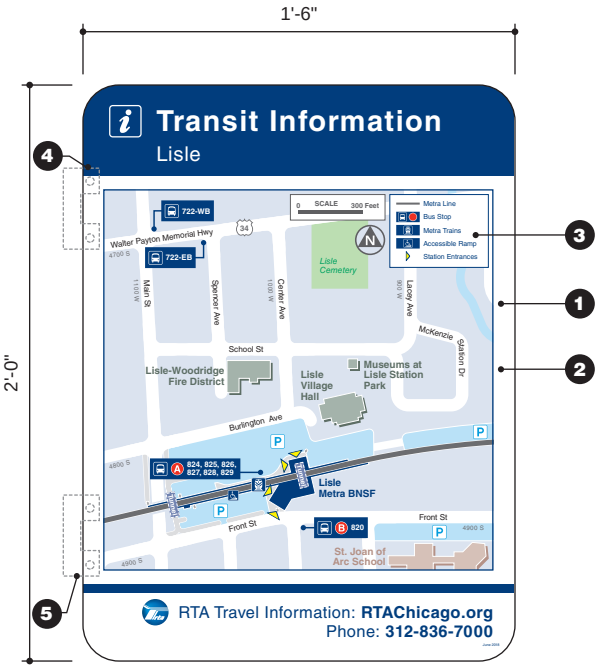
Coordinate the location and size of mounting holes with how the sign will be mounted, the type of mounting hardware to be used, and with the printed graphics. All holes shall be drilled in the shop.

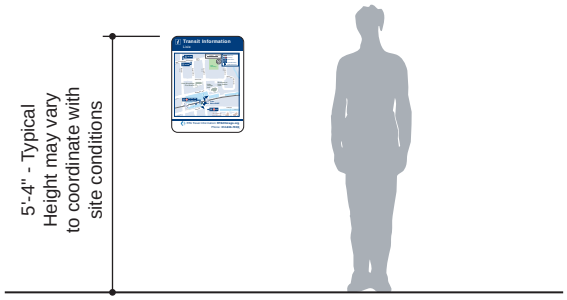
5 Mounting Brackets

ID-1 signs can be mounted to new sign posts or to existing sign posts or other existing structures. Coordinate the type of mounting bracket with the type of sign post and other mounting conditions to be used at each installation location. See Section C4 for additional information on sign posts and sign mounting brackets.

Transportation Center ID Sign Type ID-2

General Information





1 ***Elevation - Sign Type ID-2***
Scale: 1 1/2" = 1'-0"

2 ***Elevation - Typical Mounting Height***
Scale: 1/4" - 1'-0"

Sign Post and Sign Mounting Information:
Sign type ID-2 can be wall mounted or mounted to new or existing sign posts.
See Section C4 for additional information.

Description

General

Sign type ID-2 is a single or double-sided aluminum panel that identifies a transit facility or location. Sign type ID-2 includes a map of the area around the facility or location that provides pedestrians with general location and transit information.

The graphic shown is for reference only. Final content for each sign type ID-2 shall vary with location. Typical content may include, but shall not be limited to, a simplified map of the area surrounding the transportation center or location, the location and type of transportation options available nearby, bus stops, nearby parking, and select landmarks and public buildings. The overall area included on the map may vary depending on the where the map is located. Typically, the area represented on the map should be about 1/2 of a mile on each side (.25 square miles), the transit facility or location identified in the sign header should be in the center of the map, and the destinations shown should all be within walking distance. Maps located in downtown Chicago may use a different scale. Destinations shown should be permanent and non-commercial locations. These may include, but are not limited to, parks, schools, and government and civic buildings.

Digital art for sign type ID-2 may be provided by the RTA. When directed to do so by the RTA, determine the final content and develop the final art for the required site-specific graphics using existing ID-2 signs as precedents for content, layout, and color. Examples of existing ID signs, digital template files for the ID-2 graphics, and base art files for the header and footer graphics shall be provided by the RTA. All new ID-2 graphics must be reviewed and accepted by the RTA prior to production of the final signs. See page B1.14 for Design and Layout Notes.

1 Aluminum Sign Panel

The sign substrate is a .08" thick solid aluminum panel. Single-sided signs shall have painted backs.

2 Background

The overall background of the sign and the white text and graphics shall be an exterior-grade, premium cast white printable graphic film. Double sided panels shall have the printed film applied to both sides of the panel. Single sided panels shall have the printed film applied to the face side of the sign and the back side of the sign shall be painted color 1.

3 Digitally Printed Graphics

The graphics shall be digitally printed at high resolution directly onto the graphic film using custom formulated, UV-resistant, exterior grade, opaque inks. The inks shall be formulated to match the colors specified and to be compatible with the graphic film. Protect printed graphics with an exterior grade clear protective anti-graffiti overlaminate that is compatible with the graphic film and the printed graphics. The graphic film and the clear protective overlaminate shall be trimmed flush with the edges of the sign.

4 Holes for Mounting Hardware

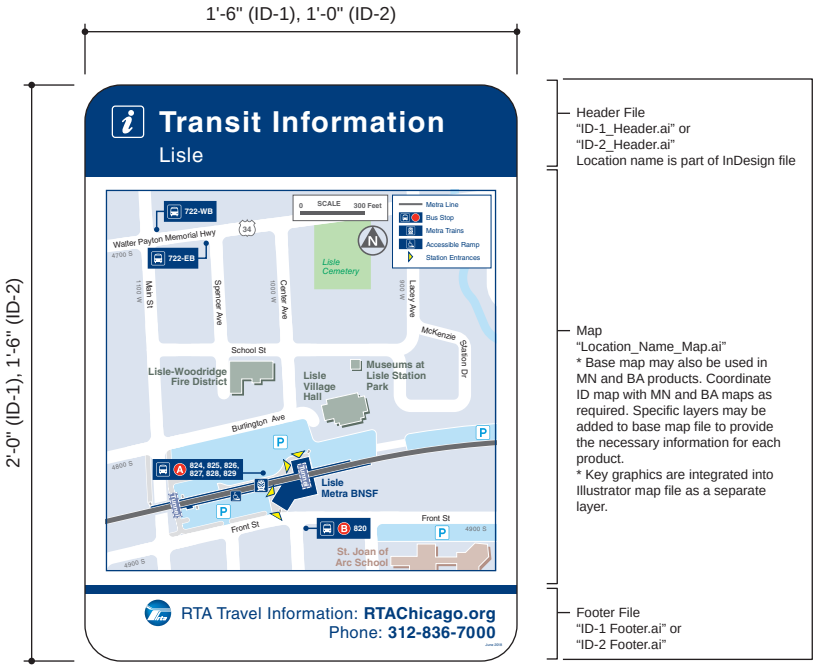
Coordinate the location and size of mounting holes with how the sign will be mounted, the type of mounting hardware to be used, and with the printed graphics. All holes shall be drilled in the shop.

5 Mounting Brackets

ID-2 signs can be mounted to new sign posts or to existing sign posts or other existing structures. Coordinate the type of mounting bracket with the type of sign post and other mounting conditions to be used at each installation location. See Section C4 for additional information on sign posts and sign mounting brackets.

Transportation Center ID Sign Types ID-1 and ID-2

Design and Layout Notes



1 ***Elevation - Sign Type ID-2 (ID-1 similar)***

Scale: 1 1/2" = 1'-0"

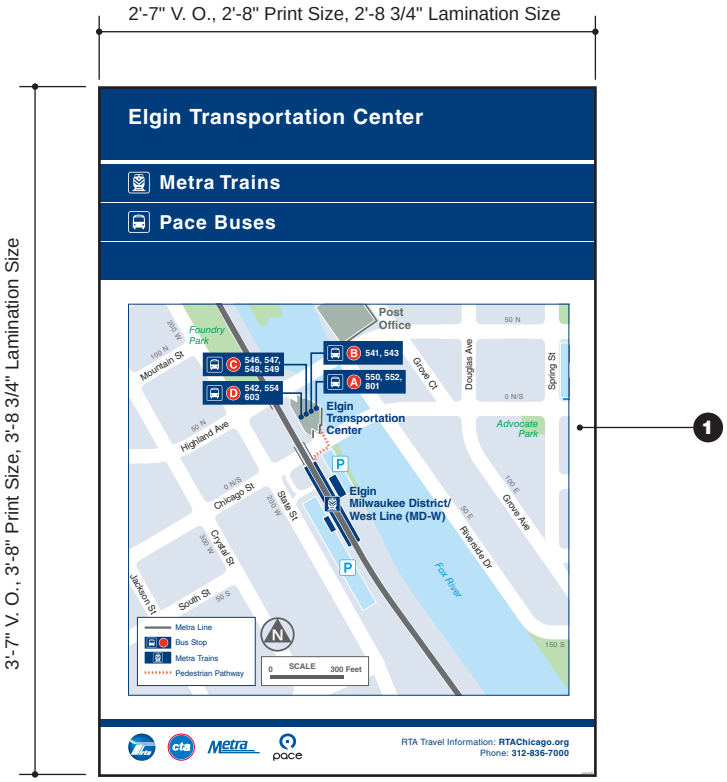
Description

General Design and Layout Information – Sign Types ID-1 and ID-2

- *Each sign type ID-1 or ID-2 typically includes separate file components that are linked into a single, master product file using Adobe InDesign software. See the drawing above for additional information regarding the file components.*
- *Sign types ID-1 and ID-2 are single or double-sided aluminum panels that identify a transit facility or location. The headers for sign types ID-1 or ID-2 shall have the message "Transit Information" with the information symbol, as well as the transit facility or location's name or description. The header content will change at different sites. The footer information does not vary.*
- *Sign types ID-1 and ID-2 include maps. The ID-1 map artwork is approximately 11" x 1'-1/2" and the ID-2 map artwork is approximately 1'-4" x 1'-4". The maps are centered horizontally and vertically in white area below the header. The maps shall typically show the facility listed in the header in the center of the map and the area around the facility within a radius of approximately 1/4-mile. Maps located in downtown Chicago may use a different scale and may include a "walking circle" centered on the transit facility; circle shall represent destinations within a 10-minute walk. Information shown on the maps includes the transit modes at the location, nearby bus stops bus stops with route numbers and boarding area letters (if used), drop-off locations, entrances, and accessibility information like ramps and elevators. Maps also include streets and parking facilities. Map graphics vary with location.*
- *Typically, the map graphics on the BA, ID, and MN signs at a given interagency location or facility shall use the same Illustrator base map. The map graphic for ID-1 and ID-2 signs located in downtown Chicago is similar to the map graphic used on MD-6 signs. Sign type-specific layers shall be added to each base map file as needed to meet the specific content requirements of each sign type.*
- *New ID-1 and ID-2 graphics shall be developed using existing examples as precedents for layout, color, and content. For each transit facility or location, the development of the base map graphics for sign type ID-1 and ID-2 must be coordinated with the map graphics for BA, ID, and MN signs as required. For ID-1 and ID-2 signs located in downtown Chicago, coordinate the development of the map graphics for the ID-1 and ID-2 signs with the map graphic for sign type MD-6 as required.*
- *Items on the maps are consistently colored. Color usage shall be as per the map color palette shown in Section A2 and as per the existing ID-1 and ID-2 maps.*
- *Street name and building label typography on the maps should be aligned and organized as much as possible. Typography and symbol sizes and styles for new ID-1 and ID-2 signs shall match typography and symbols on existing ID-1 and ID-2 signs.*

Transportation Center ID Sign Type ID-6

General Information



1 Elevation - Sign Type ID-6

Scale: 1" = 1'-0"

Associated Sign Cabinet / Frame Information:
New Location and Installation:
Sign type ID-6 is typically mounted using a CWS-1 snap frame. For information on CWS-1, see Section B2.

Description

General

Sign type ID-6 identifies a transit facility or location. It includes a general, introductory map graphic of the area around the facility or location, along with a listing of the transit modes available there. The map includes basic orientation information and key locations and destinations. Sign type ID-6 content will vary with location. See page B1.16 for Design and Layout Notes.

1 Identity Product Graphic

The ID-6 identity map graphic and header graphics shall be digitally printed at high resolution using UV resistant inks directly onto a substrate specified by the RTA.

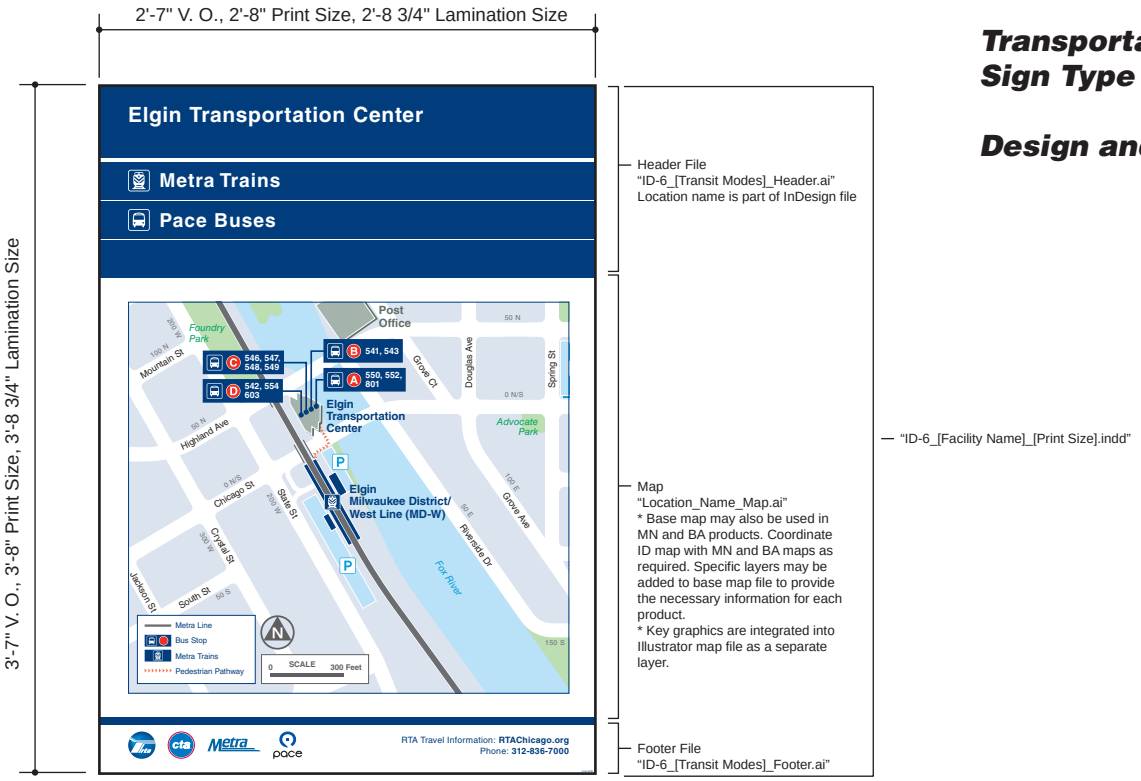
The graphic shown is for reference only. Final content for each sign type ID-6 shall vary with location. Typical content may include, but shall not be limited to, a schematic overall plan of the facility, the location and type of transportation options available, bus stops, facility entrances, pick-up and drop-off locations, nearby streets and parking. Digital art for sign type ID-6 may be provided by the RTA. When directed to do so by the RTA, determine the final content and develop the final art for the required site-specific graphics using existing ID-6 signs as precedents for content, layout, and color. Examples of existing ID-6 signs, digital template files for the ID-6 graphics, and base art files for the header and footer graphics shall be provided by the RTA. All new ID-6 graphics must be reviewed and accepted by the RTA prior to production of the final signs.

The typical visual opening (V.O.) size shown applies when sign type ID-6 appears in a CWS-1 snap frame. The print size / lamination size may need to be adjusted to coordinate with the CWS snap frame, or to respond to specific conditions at each installation location.

Coordinate the ID-6 graphic and the overall panel size with the mounting conditions and hardware at each installation location.

Transportation Center ID Sign Type ID-6

Design and Layout Notes



1 ***Elevation - Sign Type ID-6***

Scale: 1" = 1'-0"

Description

General Design and Layout Information – Sign Type ID-6

- *Each sign type ID-6 typically includes separate file components that are linked into a single, master product file using Adobe InDesign software. See the drawing above for additional information regarding the file components.*
- *The header for sign type ID-6 includes the overall location name or location description as well as identification of the transit modes found at the location. The header content will change at different sites. Generally, the footer information does not vary except for the inclusion of the Amtrak logo at locations where appropriate.*
- *The identification sign map artwork is approximately 2'-1" x 2'-4", centered horizontally and vertically in white area below the header. Identification sign maps shall typically include the facility listed in the header and the area immediately around the facility within a radius of approximately 1/4-mile. Maps located in downtown Chicago may use a different scale and may include a "walking circle" centered on the transit facility; circle shall represent destinations within a 10-minute walk. Information shown on the maps includes the transit modes at the location, bus stops with route numbers and boarding area letters (if used), drop-off locations, entrances, and accessibility information like ramps and elevators. Maps also include streets and parking facilities. Map graphics vary with location.*
- *Typically, the map graphics on the BA, ID, and MN signs at a given interagency location or facility shall use the same Illustrator base map. The map graphic for ID-6 signs located in downtown Chicago is similar to the map graphic used on MD-6 signs. Sign type-specific layers shall be added to each base map file as needed to meet the specific content requirements of each sign type.*
- *New ID-6 graphics shall be developed using existing examples as precedents for layout, color, and content. For each transit facility or location, the development of the base map graphics for sign type ID-6 must be coordinated with the map graphics for BA, ID, and MN signs as required. For ID-6 signs located in downtown Chicago, coordinate the development of the map graphics for the ID-6 signs with the map graphic for sign type MD-6 as required.*
- *Items on the maps are consistently colored. Color usage shall be as per the map color palette shown in Section A2 and as per the existing ID-6 maps.*
- *Street name and building label typography on the maps should be aligned and organized as much as possible. Typography and symbol sizes and styles for new ID-6 signs shall match typography and symbols on existing ID-6 signs.*

Downtown Chicago Transit Map Sign Type MD-6

General Information

2'-7" V. O., 2'-8" Print Size, 2'-8 3/4" Lamination Size

3'-7" V. O., 3'-8" Print Size, 3'-8 3/4" Lamination Size

1 Elevation - Sign Type MD-6

Scale: 1" = 1'-0"

Associated Sign Cabinet / Frame Information:
New Location and Installation:
Sign type MD-6 is typically mounted using a CWS-1 snap frame. For information on CWS-1, see Section B2.

Description

General

Sign type MD-6 provides a downtown Chicago map with select transit routes and landmarks included. Sign type MD-6 content will not vary with location. MD maps are based on artwork from the printed RTA Downtown Map. See page B1.18 for Design and Layout Notes.

1 Downtown Map Graphic

The MD graphic shall be digitally printed at high resolution using UV resistant inks directly onto a substrate specified by the RTA.

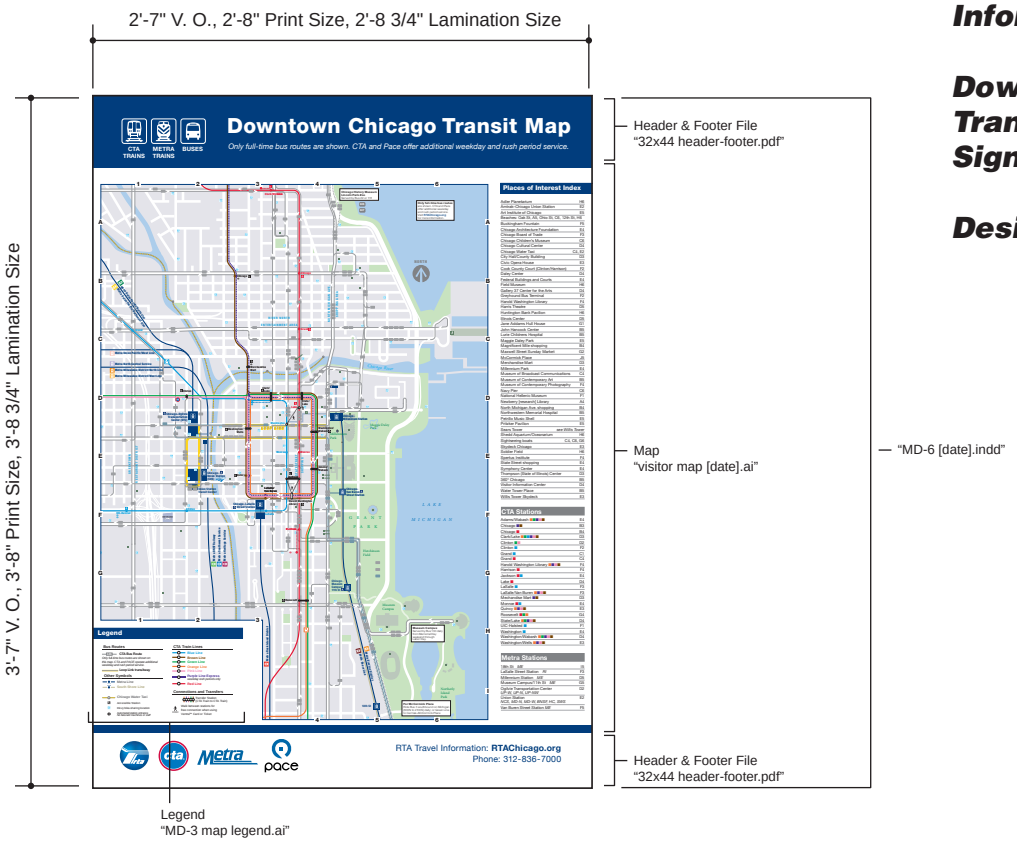
The graphic shown is for reference only. The content for sign type MD-6 shall not vary with location. Digital art for sign type MD-6 shall be provided by the RTA. If directed to do so by the RTA, incorporate content revisions into the existing art. These revisions may include, but shall not be limited to, changes to the Places of Interest Index, revisions to the CTA train route graphics, changes to bus route graphics, or changes to the destinations and locations shown on the map. All new MD-6 graphics must be reviewed and accepted by the RTA prior to production of the final signs.

The typical visual opening (V.O.) size shown applies when sign type MD-6 appears in a CWS-1 snap frame. The print size / lamination size may need to be adjusted to coordinate with the CWS snap frame, or to respond to specific conditions at each installation location.

Coordinate the MD-6 graphic and the overall panel size with the mounting conditions and hardware at each installation location.

Downtown Chicago Transit Map Sign Type MD-6

Design and Layout Notes



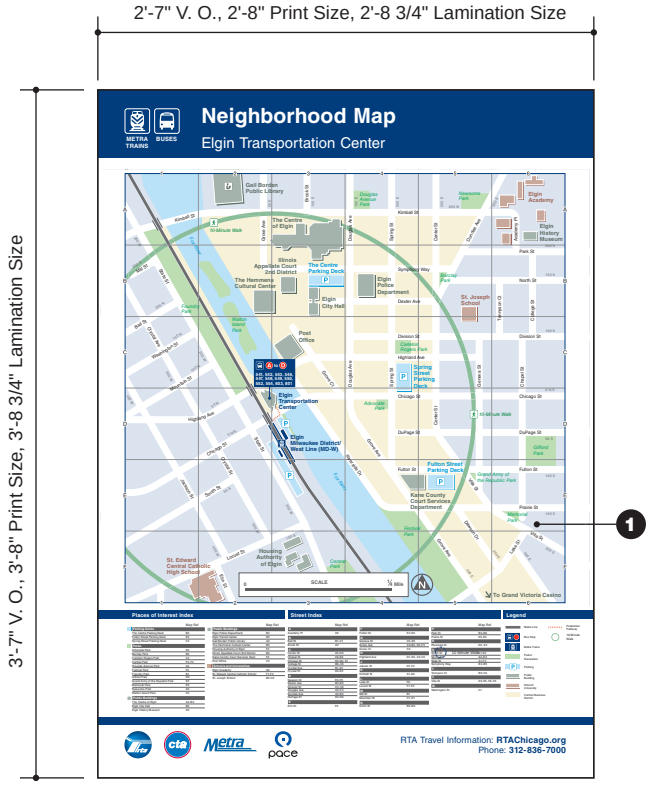
1 ***Elevation - Sign Type MD-6***

Scale: 1" = 1'-0"

Description

General Design and Layout Information – Sign Type MD-6

- *Each sign type MD-6 typically includes separate file components that are linked into a single, master product file using Adobe InDesign software. See the drawing above for additional information regarding the file components.*
- *MD-6 signs have a standard layout and generally do not change with location. Digital art for sign type MD-6 shall be provided by the RTA.*
- *MD-6 signs may require minor corrections or adjustments to reflect facility changes, bus service changes, or other service changes.*
- *The map graphics used on ID-1 and ID-2 signs located in downtown Chicago are based off the map graphic used on MD-6 signs. Coordinate the development of the map graphics for sign types ID-1 and ID-2 with the map graphic used on sign type MD-6 as required.*



1 Elevation - Sign Type MN-6

Scale: 1" = 1'-0"

Associated Sign Cabinet / Frame Information:
New Location and Installation:
Sign type MN-6 is typically mounted using a CWS-1 snap frame. For information on CWS-1, see Section B2.

Description

General

Sign type MN-6 identifies nearby neighborhood destinations, within walking distance. Sign type MN-6 content will vary with location. See page B1.20 for Design and Layout Notes.

1 Neighborhood Map Graphic

The MN-6 graphic shall be digitally printed at high resolution using UV resistant inks directly onto a substrate specified by the RTA.

The graphic shown is for reference only. Final content for each sign type MN-6 shall vary with location. Typical content may include, but shall not be limited to, a simplified map of the area surrounding the facility listed in the header, the location and type of transportation options available, bus stops, pick-up and drop-off locations, nearby parking, and select landmarks and destinations. The overall area included in the map may vary depending on the where the facility is located and nature and variety of destinations in the general vicinity.

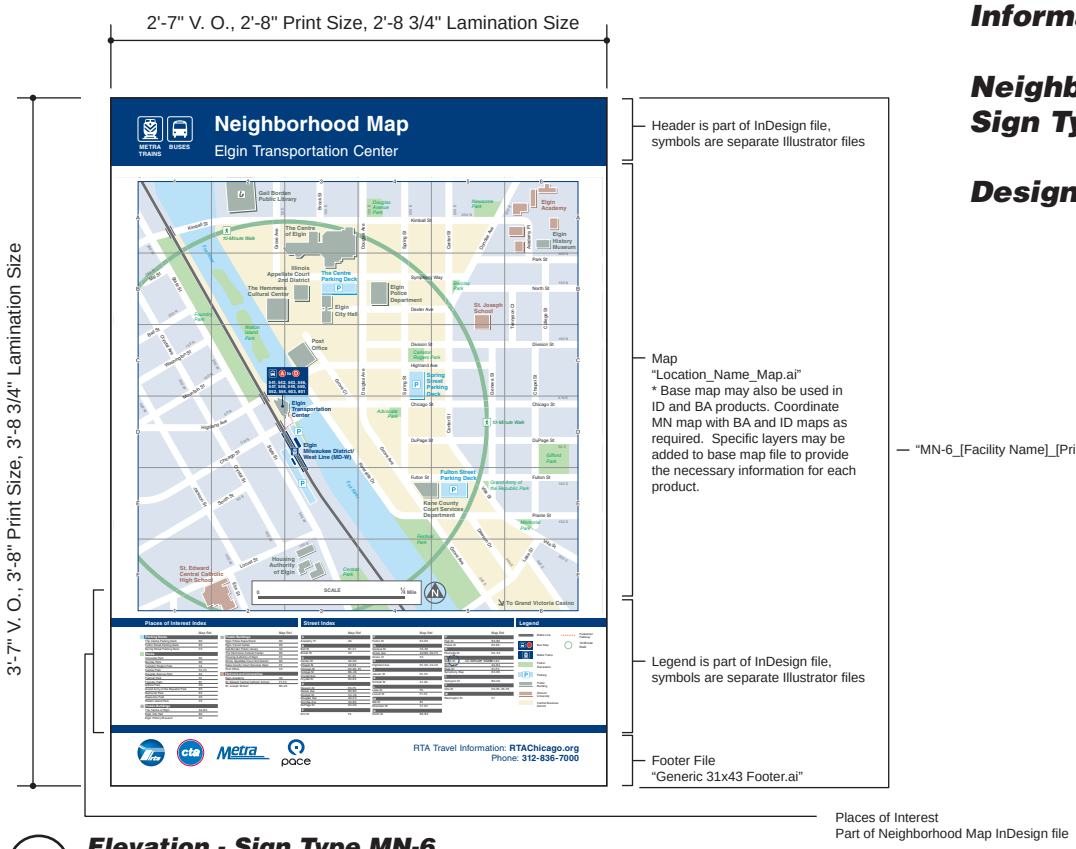
Digital art for sign type MN-6 may be provided by the RTA. When directed to do so by the RTA, determine the final content and develop the final art for the required site-specific graphics using existing MN-6 signs as precedents for content, layout, and color. Examples of existing MN-6 signs, digital template files for the MN-6 graphics, and base art files for the header and footer graphics shall be provided by the RTA. All new MN-6 graphics must be reviewed and accepted by the RTA prior to production of the final signs.

The typical visual opening (V.O.) size shown applies when sign type MN-6 appears in a CWS-1 snap frame. The print size / lamination size may need to be adjusted to coordinate with the CWS snap frame, or to respond to specific conditions at each installation location.

Coordinate the MN-6 graphic and the overall panel size with the mounting conditions and hardware at each installation location.

Neighborhood Map Sign Type MN-6

Design and Layout Notes



1 ***Elevation - Sign Type MN-6***

Scale: 1" = 1'-0"

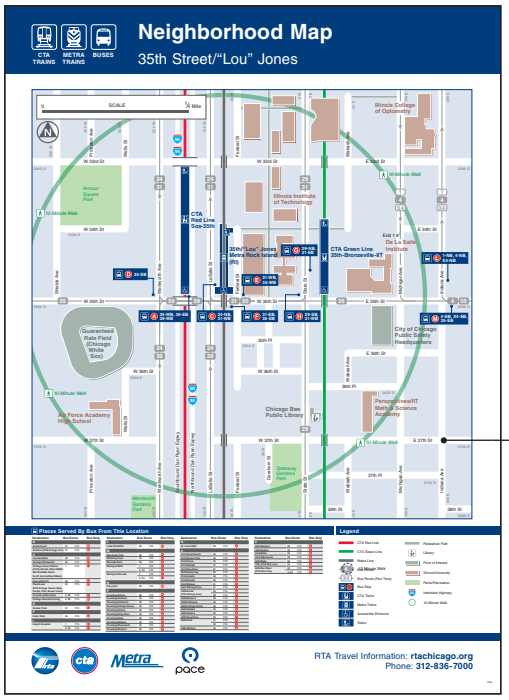
Description

General Design and Layout Information – Sign Type MN-6

- *Each sign type MN-6 typically includes separate file components that are linked into a single, master product file using Adobe InDesign software. See the drawing above for additional information regarding the file components.*
- *The header for sign type MN-6 includes the overall location name or location description and symbols for the transit modes found at the location. The header content will change at different sites. Generally, the footer information does not vary except for the inclusion of the Amtrak logo at locations where appropriate.*
- *The neighborhood map artwork is approximately 2'-4" x 2'-3". The area represented on the map is typically about 3/4 of a mile on each side. The final size of the map shall be coordinated with the street and places of interest index that appears below the map. The map shall be centered horizontally in white area below the header. The top of the map shall be 1" below the header.*
- *Neighborhood maps include the facility and the area around the facility, including transit modes, bus stops (with route numbers), drop-off locations, and accessibility information like ramps and elevators. Maps also include streets (typically with street grid / directional numbers added as a separate element), natural landmarks like lakes and rivers, and permanent non-commercial facilities like public buildings, parking facilities, schools and universities, parks, and other nearby transit facilities. In some cases, select commercial facilities may be shown on the map and / or special districts or areas may be shown with a different background color. Maps shall include a "walking circle", 2'-1 1/2" in diameter, centered on the transit facility. Circle shall represent destinations within a 10-minute walk. Map graphics vary with location.*
- *Typically, the map graphics on the BA, ID, and MN signs at a given interagency location or facility shall use the same Illustrator base map. Sign type-specific layers shall be added to each base map file as needed to meet the specific content requirements of each sign type.*
- *New MN-6 graphics shall be developed using existing examples as precedents for layout, color, and content. For each transit facility or location, the development of the base map graphics for MN-6 signs must be coordinated with the map graphics for BA and ID signs as required.*
- *Items on the maps are consistently colored. Color usage shall be as per the map color palette shown in Section A2 and as per the existing MN-6 maps.*
- *Street name and building label typography on the map should be aligned and organized as much as possible. Typography and symbol sizes and styles for new MN-6 signs shall match typography and symbols on existing MN-6 signs.*
- *The map shall have a coordinate grid with letters on the vertical edges and numbers on the horizontal edges.*
- *Below the map shall be a Places of Interest Index, a Street Index, and a Legend. The indices shall list the places and features on the map in alphabetical order and shall provide the appropriate alphanumeric map grid references.*

2'-7" V. O., 2'-8" Print Size, 2'-8 3/4" Lamination Size

3'-7" V. O., 3'-8" Print Size, 3'-8 3/4" Lamination Size



1

1 Elevation - Sign Type NB-6

Scale: 1" = 1'-0"

Associated Sign Cabinet / Frame Information:
New Location and Installation:
Sign type NB-6 is typically mounted using a CWS-1 snap frame. For information on CWS-1, see Section B2.

Description

General

Sign type NB-6 identifies nearby neighborhood destinationswithin walking distance, along with bus destination information. The information is a combination of the BC-6 and MN-6. Sign type NB-6 content will vary with location. See page B1.22 for Design and Layout Notes.

1 Neighborhood Bus Map Graphic

The NB-6 graphic shall be digitally printed at high resolution using UV resistant inks directly onto a substrate specified by the RTA.

The graphic shown is for reference only. Final content for each sign type NB-6 shall vary with location. Typical content may include, but shall not be limited to, a simplified map of the area surrounding the facility listed in the header, the location and type of transportation options available, bus stops, pick-up and drop-off locations, nearby parking, and select landmarks and destinations. The overall area included in the map may vary depending on the where the facility is located and the nature and variety of destinations in the general vicinity.

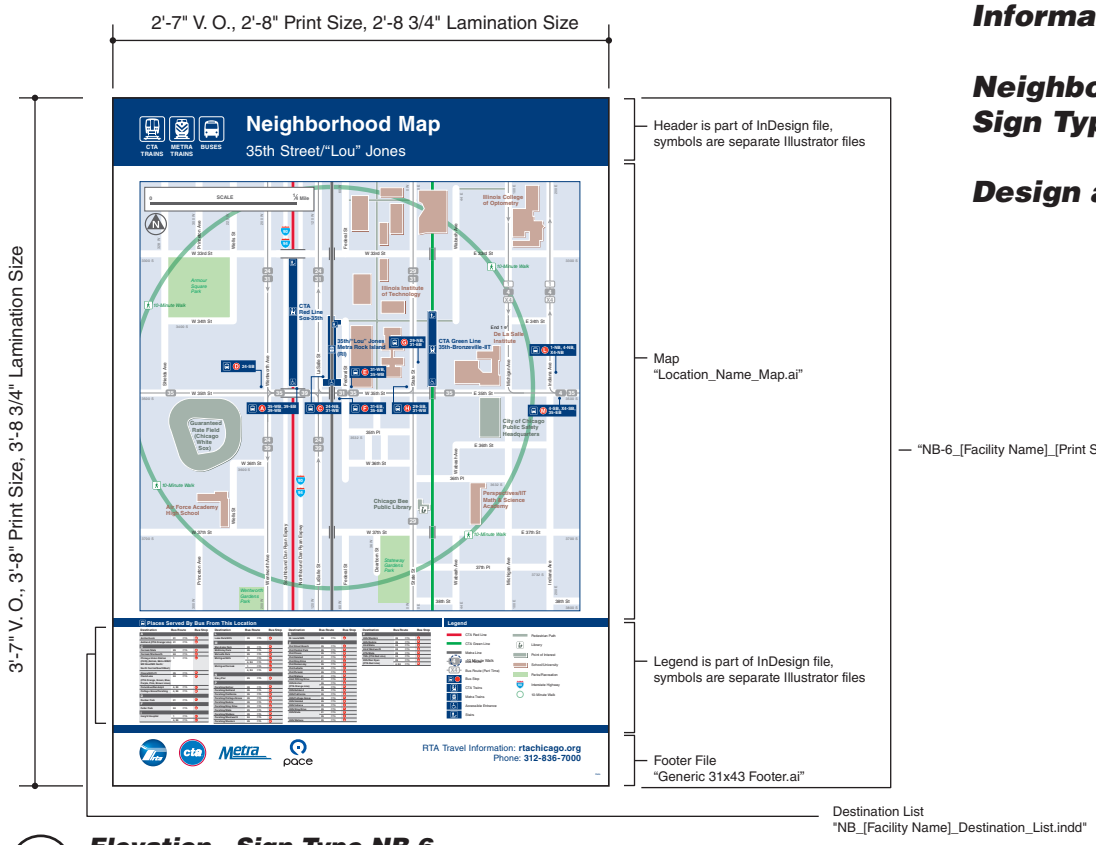
Digital art for sign type NB-6 may be provided by the RTA. When directed to do so by the RTA, determine the final content and develop the final art for the required site-specific graphics using existing NB-6 signs as precedents for content, layout, and color. Examples of existing NB-6 signs, digital template files for the NB-6 graphics, and base art files for the header and footer graphics shall be provided by the RTA. All new NB-6 graphics must be reviewed and accepted by the RTA prior to production of the final signs.

The typical visual opening (V.O.) size shown applies when sign type NB-6 appears in a CWS-1 snap frame. The print size / lamination size may need to be adjusted to coordinate with the CWS snap frame, or to respond to specific conditions at each installation location.

Coordinate the NB-6 graphic and the overall panel size with the mounting conditions and hardware at each installation location.

Neighborhood Bus Map Sign Type NB-6

Design and Layout Notes



1 ***Elevation - Sign Type NB-6***

Scale: 1" = 1'-0"

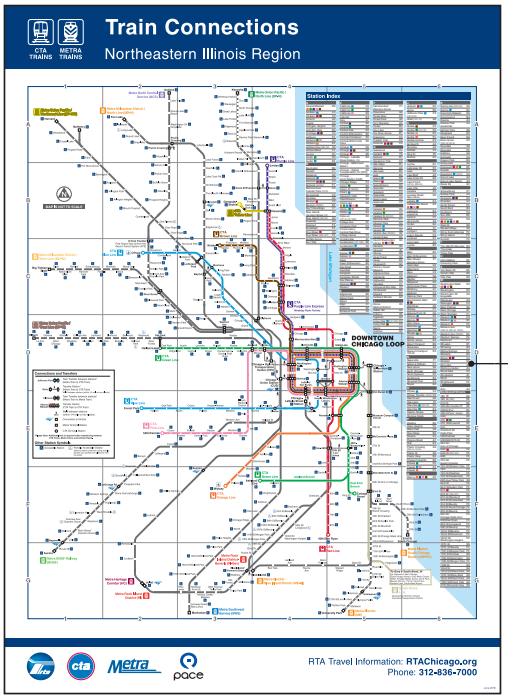
Description

General Design and Layout Information – Sign Type NB-6

- *Each sign type NB-6 typically includes separate file components that are linked into a single, master product file using Adobe InDesign software. See the drawing above for additional information regarding the file components.*
- *The header for sign type NB-6 includes the overall location name or location description and symbols for the transit modes found at the location. The header content will change at different sites. Generally, the footer information does not vary except for the inclusion of the Amtrak logo at locations where appropriate.*
- *The neighborhood map artwork is approximately 2'-4" x 2'-3". The area represented on the map is typically about 3/4 of a mile on each side. The final size of the map shall be coordinated with the street and places of interest index that appears below the map. The map shall be centered horizontally in white area below the header. The top of the map shall be 1" below the header.*
- *Neighborhood maps include the facility and the area around the facility, including transit modes, bus stops (with route numbers), drop-off locations, and accessibility information like ramps and elevators. Maps also include streets (typically with street grid / directional numbers added as a separate element), natural landmarks like lakes and rivers, and permanent non-commercial facilities like public buildings, parking facilities, schools and universities, parks, and other nearby transit facilities. In some cases, select commercial facilities may be shown on the map and / or special districts or areas may be shown with a different background color. Maps shall include a "walking circle", 2'-1 1/2" in diameter, centered on the transit facility. Circle shall represent destinations within a 10-minute walk. Map graphics vary with location.*
- *New NB-6 graphics shall be developed using existing examples as precedents for layout, color, and content.*
- *Items on the maps are consistently colored. Color usage shall be as per the map color palette shown in Section A2 and as per the existing NB-6 maps.*
- *Street name and building label typography on the map should be aligned and organized as much as possible. Typography and symbol sizes and styles for new NB-6 signs shall match typography and symbols on existing NB-6 signs.*
- *Below the neighborhood map, a blue band creates a space for a table listing "Places Served By Bus From This Location" and a legend. The table alphabetically lists stops and points of interest for each bus route along with the corresponding bus route numbers and the bus stops used to access each bus route.*

2'-7" V. O., 2'-8" Print Size, 2'-8 3/4" Lamination Size

3'-7" V. O., 3'-8" Print Size, 3'-8 3/4" Lamination Size



1

1 Elevation - Sign Type TC-6

Scale: 1" = 1'-0"

Associated Sign Cabinet / Frame Information:
New Location and Installation:
Sign type TC-6 is typically mounted using a CWS-1 snap frame. For information on CWS-1, see Section B2.

Description

General

Sign type TC-6 provides information on regional Metra and CTA train connections and routes. Sign type TC-6 content will not vary with location except for the inclusion of the Amtrak logo or South Shore logo in the footer at locations where appropriate. Sign type TC-6 is typically a single Adobe Illustrator file.

1 Train Connections Graphic

The TC-6 graphic shall be digitally printed at high resolution using UV resistant inks directly onto a substrate specified by the RTA.

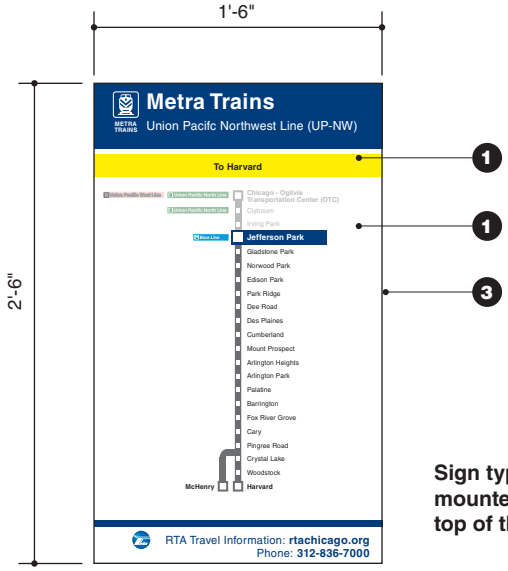
The graphic shown is for reference only. The content for each sign type TC-6 shall not vary with location. Digital art for sign type TC-6 shall be provided by the RTA. TC-6 signs may require minor corrections or adjustment to reflect facility changes, or other rail service changes. If directed to do so by the RTA, incorporate content revisions into the existing art. These revisions may include, but shall not be limited to, changes to the Stations Index, revisions to the train route diagrams, or changes to the stations shown in the route diagrams. All new TC-6 graphics must be reviewed and accepted by the RTA prior to production of the final signs.

The typical visual opening (V.O.) size shown applies when sign type TC-6 appears in a CWS-1 snap frame. The print size / lamination size may need to be adjusted to coordinate with the CWS snap frame, or to respond to specific conditions at each installation location.

Coordinate the TC-6 graphic and the overall panel size with the mounting conditions and hardware at each installation location.

Train Route Diagram Sign Type TR-3

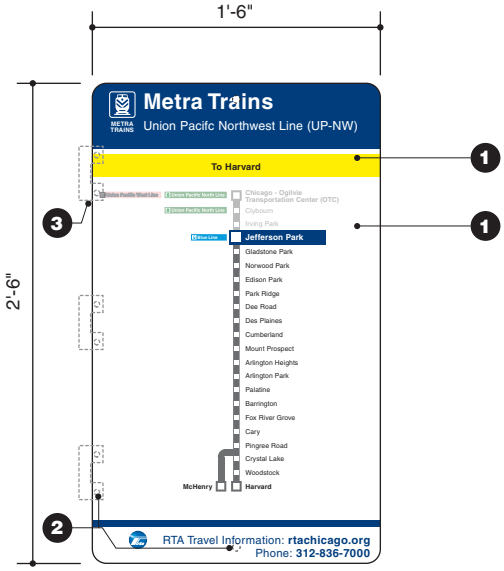
General Information



Sign type TR-3 is typically mounted at 5'-10" to the top of the sign.

Elevation - Typical Sign Type TR-3 when mounted directly to walls or with sign frame

1 *Scale: 1" = 1'-0"*



Elevation - Typical Sign Type TR-3 when mounted directly to walls or sign post

2 *Scale: 1" = 1'-0"*

Associated Sign Frame and Sign Post / Mounting Information:
Sign type TR-3 may be mounted using an SWA, SWD, or SWG sign frame. Sign type TR-3 may also be mounted directly to walls or other surfaces. See Section D1 for additional information.

Sign type TR-3 may be wall mounted or mounted to new or existing sign posts using appropriate mounting hardware. See Section C4 for additional information.

Description

General

Sign type TR-3 is a single or double-sided sign that provides Metra train route information. Sign type TR-3 contents will vary with location.

Sign type TR-3 panels are used at locations where there is not sufficient wall space available to install a sign type TR-6 product or at locations where it may be inappropriate or otherwise unacceptable to use sign type TR-6.

See page B1.23 for Design and Layout Notes.

1 Sign Panels and Graphics

Materials for the production of sign type TR-3 shall be selected based on the location and indicated by the sign type code. Generally, at locations requiring quick turn-around, where the signs will be considered temporary, or where they will be mounted directly to glass, self adhesive printed vinyl will typically be used. At locations where the signs will be mounted directly to walls or to new or existing sign posts, the signs will typically be .080" aluminum with printed vinyl graphics. At locations other than downtown stations where signs will be wall mounted using SWD sign frames, the signs will typically be produced using 1/2" thick acrylic with printed vinyl graphics. At downtown stations where signs will be wall mounted using SWD sign frames, the signs will typically be produced using 1/2" thick Rhino panel, or an equivalent panel with embedded UV resistant graphics accepted by the RTA. At locations other than downtown stations where signs are wall or glass mounted using SWA or SWG sign frames, the signs will typically be produced using .080" aluminum with printed vinyl graphics, or 1/8" thick acrylic with printed vinyl graphics. At downtown stations where signs are wall or glass mounted using SWA or SWG sign frames, the signs will typically be produced using 1/8" thick Rhino panel, or an equivalent panel with embedded UV resistant graphics accepted by the RTA.

Vinyl graphics shall be digitally printed at high-resolution directly to an exterior-grade, premium cast white graphic film using custom formulated, UV-resistant, opaque inks. The inks shall be formulated to match the colors specified and to be compatible with the graphic film. Protect printed vinyl graphics with a clear protective anti-graffiti overlaminate that is compatible with the graphic film and the printed graphics. The printed graphic film and overlaminate shall be applied to cover the entire sign face and trimmed flush to the edges of the substrate / sign panel. Double sided signs with printed vinyl graphics shall have the printed film and overlaminate applied to both sides of the sign. Single sided signs shall have the printed film and overlaminate applied to the face side of the sign and the back side of the sign shall be painted color 1.

Acrylic sign panels shall have returns painted color 1. Backs of single-sided aluminum signs shall be painted color 1.

2 Holes for Mounting Hardware

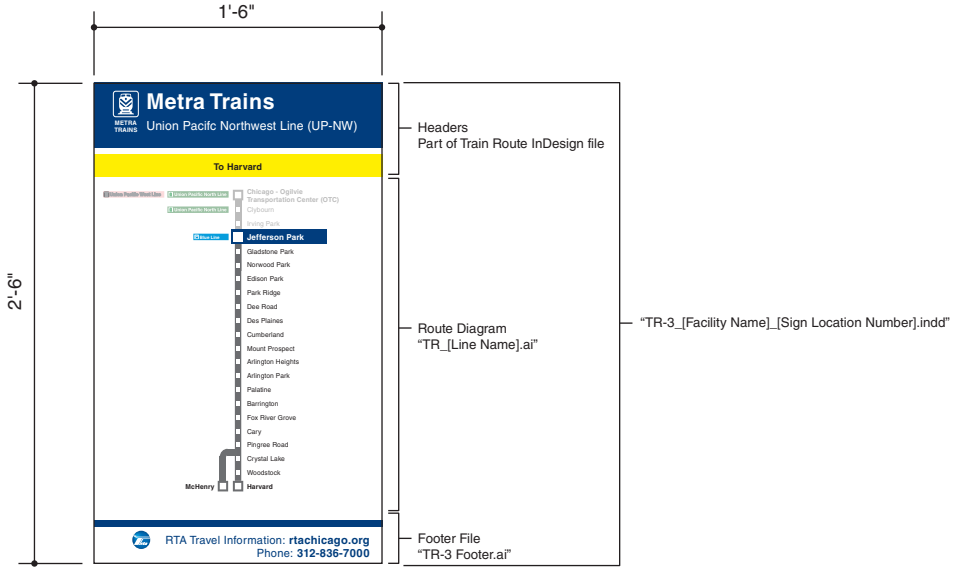
If mounting holes are required, coordinate the location and size of mounting holes with how the sign will be mounted, the type of mounting hardware to be used, and with the printed graphics. All holes shall be drilled in the shop.

3 Mounting for Sign Type TR-3

Sign type TR-3 can be wall or glass mounted directly or with a sign frame, mounted to new sign posts, or mounted to existing sign posts or other existing structures. Coordinate the type of mounting adhesives, brackets, and hardware used with the sign panel, sign frame, mounting surface, and other mounting conditions at each installation location. See Sections C4 and D1 for additional information.

Train Route Diagram
Sign Type TR-3

Design and Layout Notes

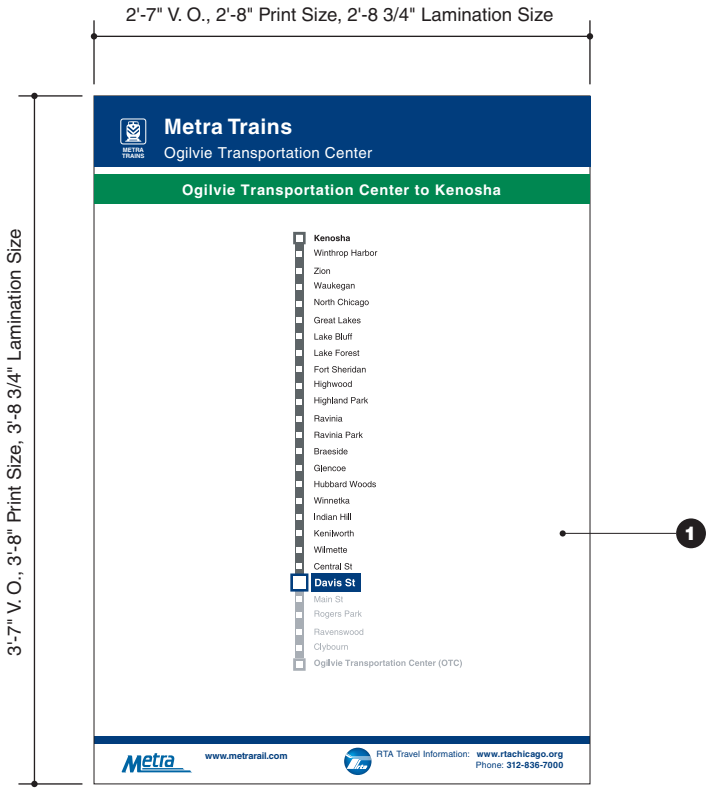


1 ***Elevation - Sign Type TR-3***
Scale: 1" = 1'-0"

Description

General Design and Layout Information – Sign Type TR-3

- *Each sign type TR-3 typically includes separate file components that are linked into a single, master product file using Adobe InDesign software. See the drawing above for additional information regarding the file Components.*
- *Sign type TR-3 is a single or double-sided sign that provides Metra train route information. The header for sign type TR-3 shall have the message "Metra Trains" with the Metra trains symbol, and the Metra line name and abbreviation. The line name in the header will change to coordinate with the sign's location. The footer information does not vary.*
- *The graphics shown are for reference only. Sign type TR-3 includes a route schematic. The route information for each of the Metra lines is different and each line is identified by a unique color. Graphic details will vary depending on where the sign is located, but each of the Metra lines shall always be shown in their entirety.*
- *Each route schematic will list all the stations along each line, in order. Typically, the route schematic will start with the northernmost or easternmost station at the top. The schematic will highlight the station in which the sign is located, and, depending on where the sign is located, indicate a typical direction of travel by highlighting the stations down the line. At stations where passengers can transfer to other rail services, the additional rail services shall be identified.*
- *In addition to the route schematic, sign type TR-3 includes a color-coded band above the schematic that, depending on the sign location, names line's terminal stations, or identifies if the schematic shows service to or from Chicago, along with the name of the appropriate terminal station. For example, a TR-3 located at a station entrance that provides access to trains running both to and from Chicago on the BNSF line, would have a BNSF green band above the route schematic with the message "Chicago - Union Station (CUS) to Aurora." A TR-3 located on a platform that provides access to trains to Chicago on the BNSF line, would have a BNSF green band with the message "To Chicago - Union Station (CUS)."*
- *Digital art for sign type TR-3 may be provided by the RTA. When directed to do so by the RTA, determine the final content and develop the final art for the required route schematics and location-specific graphics using existing TR-3 signs as precedents for layout. Basic route information, digital template files for the TR-3 graphics, and base art files for the header and footer graphics shall be provided by the RTA. All new TR-3 graphics must be reviewed and accepted by the RTA prior to production of the final signs*
- *Coordinate the TR-3 graphic and the overall panel size.*



1 ***Elevation - Sign Type TR-6***

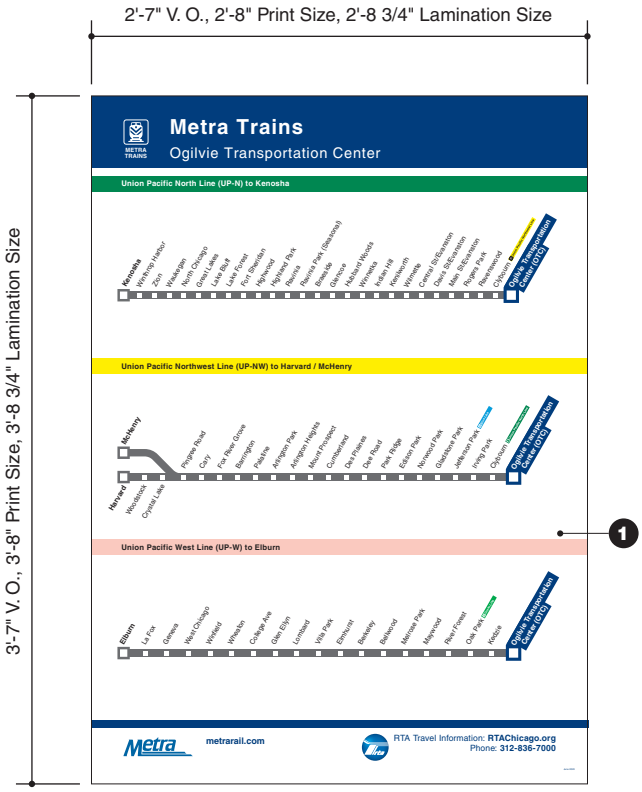
Scale: 1" = 1'-0"

Associated Sign Cabinet / Frame Information:

New Location and Installation:

Sign type TR-6 is typically mounted using a CWS-1 snap frame.

For information on CWS-1, see Section B2.



2 ***Elevation - Sign Type TR-6 (Alternate Layout)***

Scale: 1" = 1'-0"

Description

General

Sign type TR-6 provides Metra train route information. Sign type TR-6 contents will vary with location.

The graphics shown are for reference only. Graphic details will vary depending on where the sign is located. Sign type TR-6 is the typical sign type for the display of Metra route schematics in CWS-1 snap frames.

Digital art for sign type TR-6 may be provided by the RTA. When directed to do so by the RTA, determine the final content and develop the final art for the required route schematics and location-specific graphics using existing TR-6 signs as precedents for layout. Basic route information, digital template files for the TR-6 graphics, and base art files for the header and footer graphics shall be provided by the RTA. All new TR-6 graphics must be reviewed and accepted by the RTA prior to production of the final signs.

See page B1.25 for Design and Layout Notes.

1 Train Route Graphic

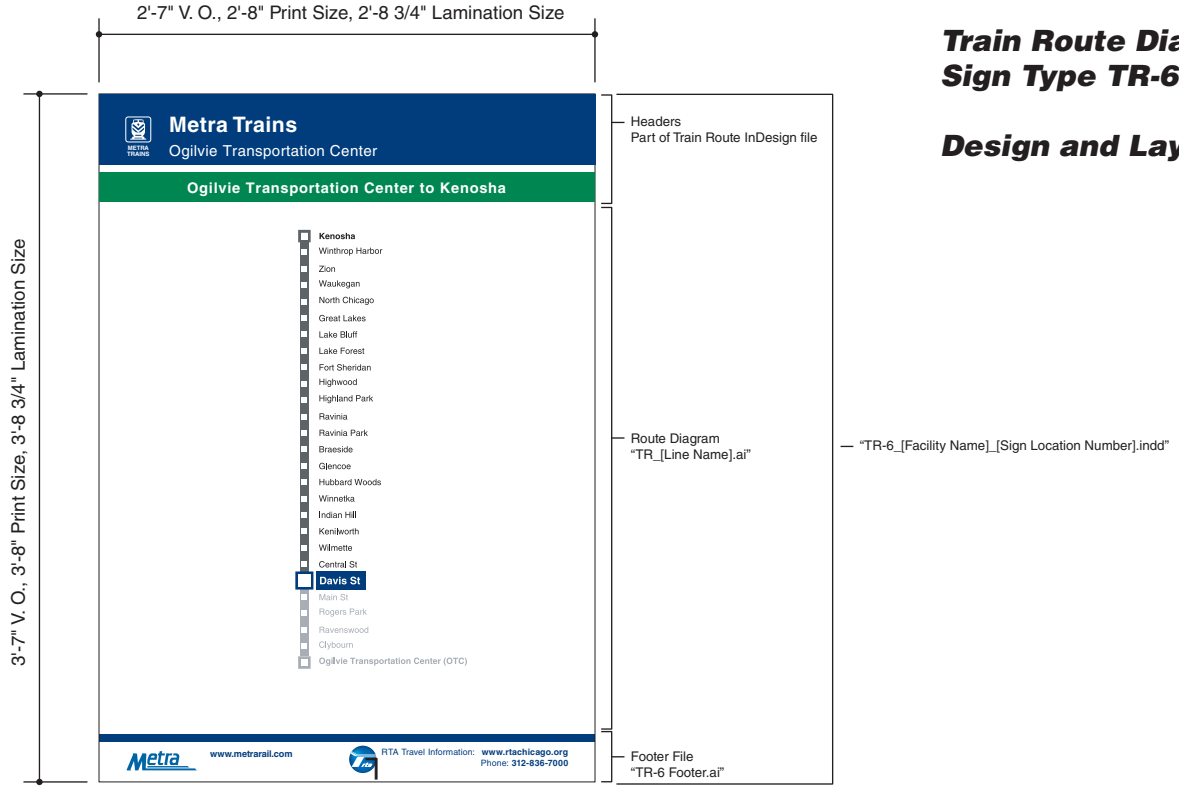
Sign type TR-6 shall be digitally printed at high resolution using UV resistant inks directly onto a substrate specified by the RTA.

The typical visual opening (V.O.) size shown applies when sign type TR-6 appears in a CWS snap frame. The print size may need to be adjusted to coordinate with CWS snap frames or to respond to specific conditions at each installation location.

Coordinate the TR-6 graphic and the overall panel size with the mounting conditions and hardware at each installation location.

Train Route Diagram
Sign Type TR-6

Design and Layout Notes



1 ***Elevation - Sign Type TR-6***

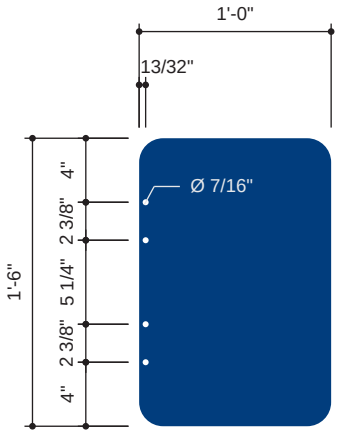
Scale: 1" = 1'-0"

Description

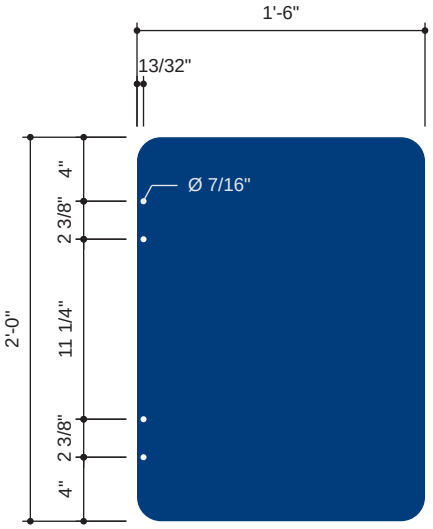
General Design and Layout Information – Sign Type TR-6

- *Each sign type TR-6 typically includes separate file components that are linked into a single, master product file using Adobe InDesign software. See the drawing above for additional information regarding the file Components.*
- *Sign type TR-6 provides Metra train route information. The header for sign type TR-6 shall have the message "Metra Trains" with the Metra trains symbol, and, depending on the location, either the transit facility or location's name, or the Metra line name and abbreviation. The facility / location name or the line name in the header will change to coordinate with the sign's location. The footer information does not vary.*
- *The graphics shown are for reference only. Sign type TR-6 includes one or more route schematics. The route information for each of the Metra lines is different and each line is identified by a unique color. Graphic details will vary depending on where the sign is located, but each of the Metra lines shall always be shown in their entirety.*
- *Each route schematic will list all the stations along each line, in order. When TR-6 shows only one line, the route schematic will start with the northernmost or easternmost station at the top. When TR-6 is used on a platform in a station with more than one line, the route schematic shall reflect the typical direction of travel for trains boarded from the platform. When TR-6 shows more than one line and is not used on a platform, the route schematic shall start with the northernmost or western-most stations on the left.*
- *The schematic will highlight the station in which the sign is located, and, depending on where the sign is located, indicate the typical direction of travel by highlighting the stations down the line. At stations where passengers can transfer to other rail services, the additional rail services shall be identified.*
- *In addition to the route schematics, sign type TR-6 includes color-coded bands above the schematics. On signs with only one line, the band may name the line's terminal stations, or information indicating if the schematic shows service to or from Chicago, along with the name of the appropriate terminal station. For example, a TR-6 located at a station entrance that provides access to trains running both to and from Chicago on the BNSF line, would have a BNSF green band above the route schematic with the message "Chicago - Union Station (CUS) to Aurora." A TR-3 located on a platform that provides access to trains to Chicago on the BNSF line, would have a BNSF green band with the message "To Chicago - Union Station (CUS)." If the TR-6 shows more than one route schematic, the color coded bands shall provide the Metra line name for each schematic along with the the line's abbreviation.*
- *Coordinate the TR-6 graphics and the overall panel size.*

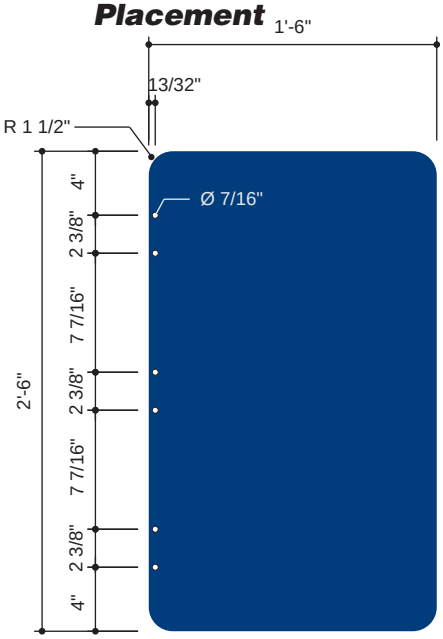
Sign Types ID-1, ID-2, and TR-3 Typical Mounting Hole Placement



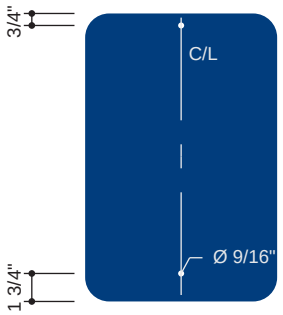
Side Mount



Side Mount

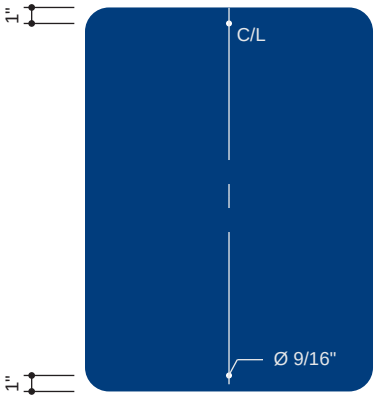


Side Mount



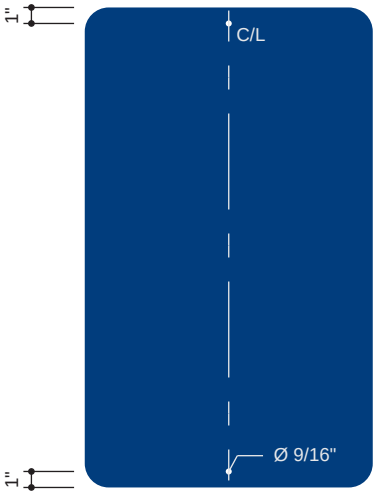
Center Mount

Sign Type ID-1



Center Mount

Sign Type ID-2



Center Mount

Sign Type TR-3

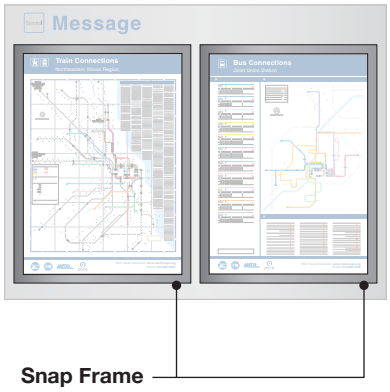
Description

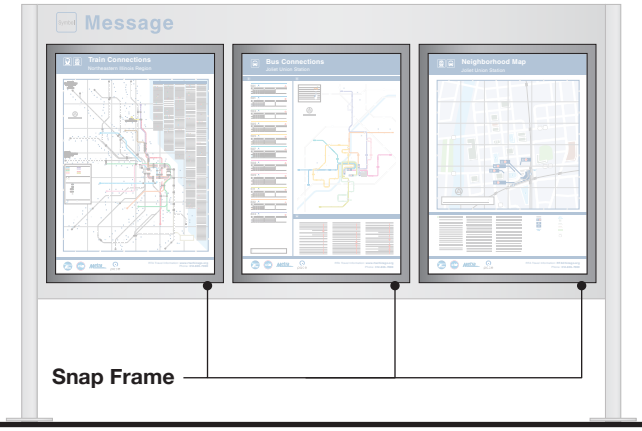
General

Sign type ID-1, ID-2, and TR-3 panels can be side / flag mounted using CMFB or CMFS mounting hardware or center mounted using CMCB, CMCC, CMCS, CMWA, or CMWB mounting hardware. Position mounting holes in the panels as shown based on the mounting method used at each sign installation location.

Dimensions shown are to the center of the holes.

Section Introduction



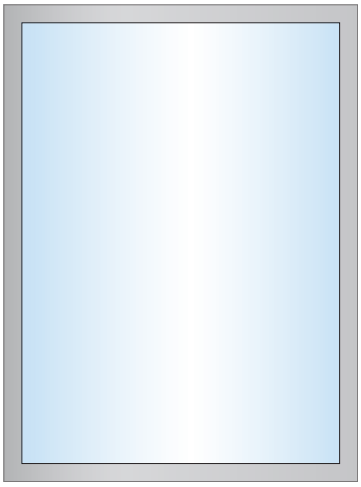


Description

General

Section B2 general reference.

Sign Frame Overview



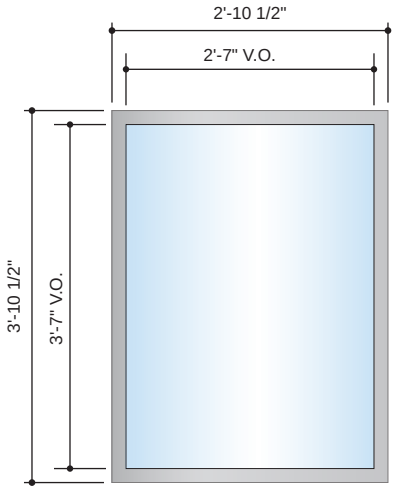
CWS Series Snap Frames

Snap frames may be specified to hold non-illuminated information graphics.

The graphics are described in Section B1.

The snap frames can be mounted onto a freestanding structure or a wall structure.

Standard Snap Frame Size Summary



CWS-1
Snap Frame for Single Graphic Display (Typical)

Overall frame sizes are based on the Alpina Security FlipUp snap frame.

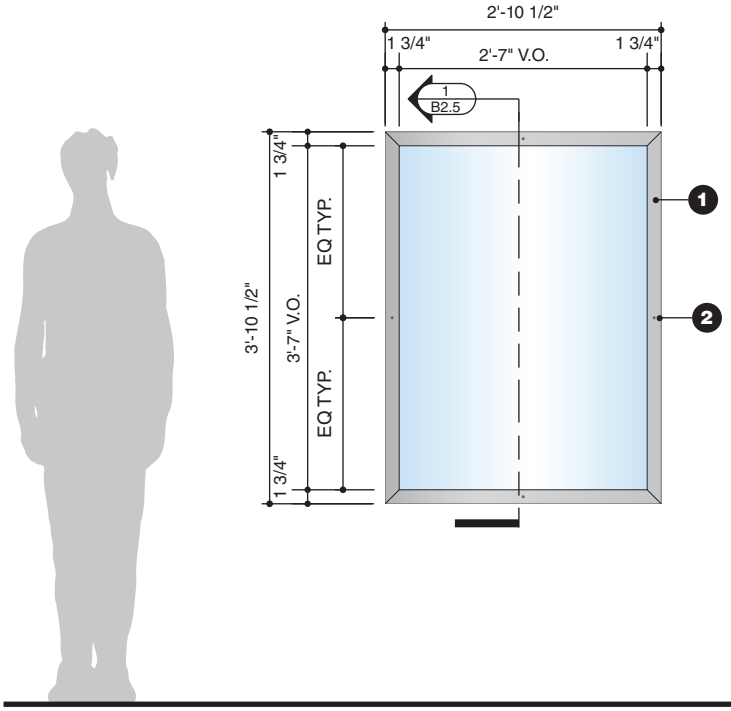
(V.O. = Visual Opening)

Frame fabrication and mounting as outlined in this Manual may need to be revised in order to coordinate with site conditions and maintain design intent.

See the Technical Specifications for additional information and requirements.

SECTION B2
Frames for Information Graphics

CWS-1 Snap Frame Outside Elevation



1 Front Elevation - CWS-1 Snap Frame

Scale: 1/2" = 1'-0"

Associated Printed Graphics:
The following information graphics are used with the CWS-1 snap frame:
Sign Type BC-6 - See Section B1
Sign Type ID-6 - See Section B1
Sign Type MD-6 - See Section B1
Sign Type MN-6 - See Section B1
Sign Type NB-6 - See Section B1
Sign Type TC-6 - See Section B1
Sign Type TR-6 - See Section B1

Associated Sign Structures:
The CWS-1 snap frame can be mounted to the following sign structures:
Sign Type SFM - See Section B3
Sign Type SPY- See Section B3
Sign Type SWM - See Section B4

Description

General

The CWS-1 frame is a custom snap frame fabricated from aluminum and displays a single graphic panel.

The CWS-1 snap frame is used to display sign types BC-6, ID-6, MD-6, MN-6, NB-6, TC-6, and TR-6.

The CWS snap frames mount to the SWM, SFM, or SPY sign structures.

(V.O. = Visual Opening)

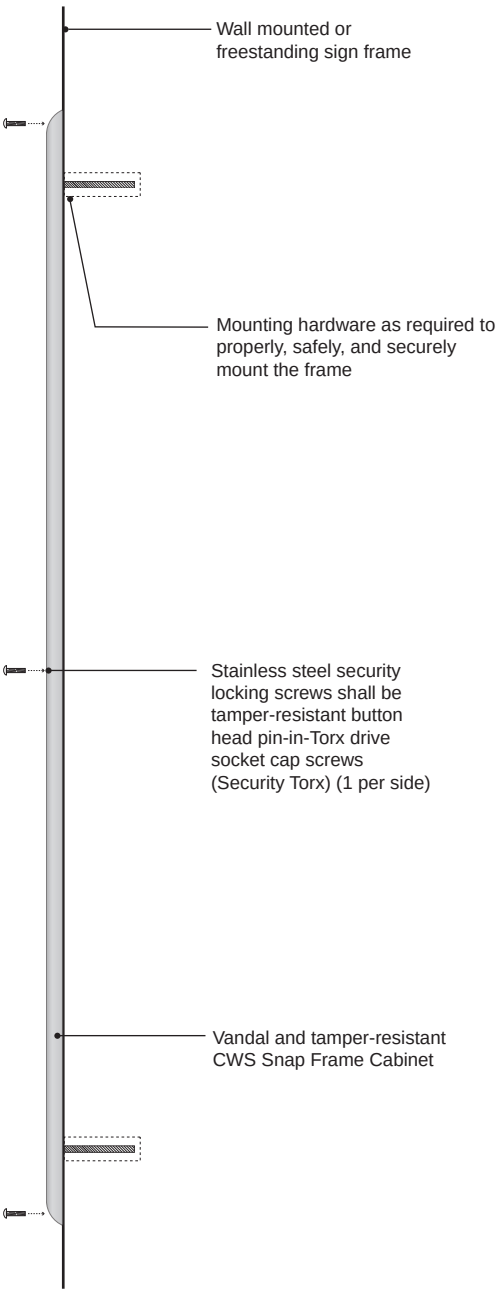
1 Snap Frame

CWS-1 shall be a custom-sized Alpina "FlipUp" "Deep Bottom" FF-RP snap frame cabinet with 1.75" round / security edge profile, or an equivalent vandal-resistant aluminum snap frame accepted by the RTA. Frame is fabricated using single faced opening; four hinged, round profile, vandal-resistant security frame extrusions, 1/8" clear polycarbonate overlay window, and 0.040" black styrene backer sheet. An ABS spatula, or similar tool, required to open the vandal-resistant frame, shall be provided with each frame. Frame shall have a silver, exterior-grade, vandal-resistant, anodized aluminum finish.

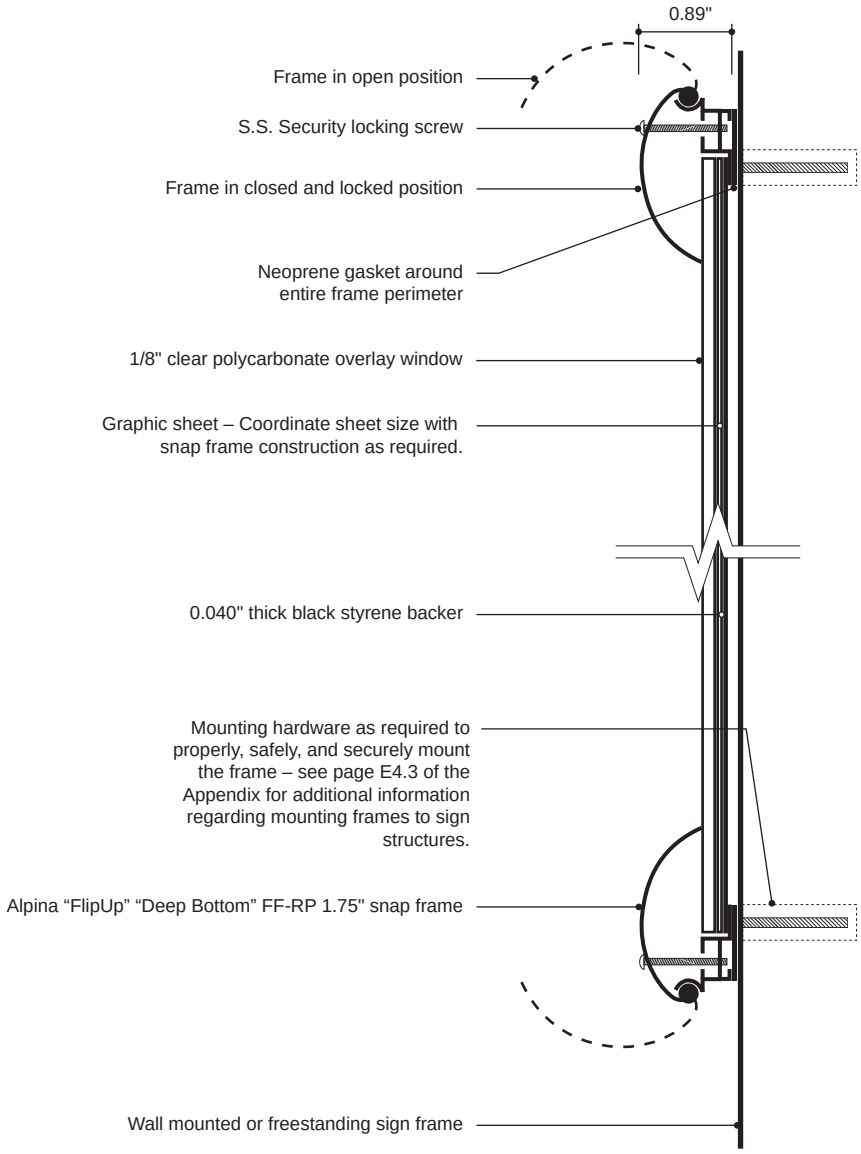
2 Security Screws

Frame shall have tamper-resistant, stainless steel, 10-24 pin-in hex drive security locking screws.

CWS Series Snap Frames Side Elevation



1 ***Side View: CWS Series Snap Frame***
Scale: N.T.S.



2 ***Detail View: CWS Series Snap Frame***
Scale: 1/2" = 1"

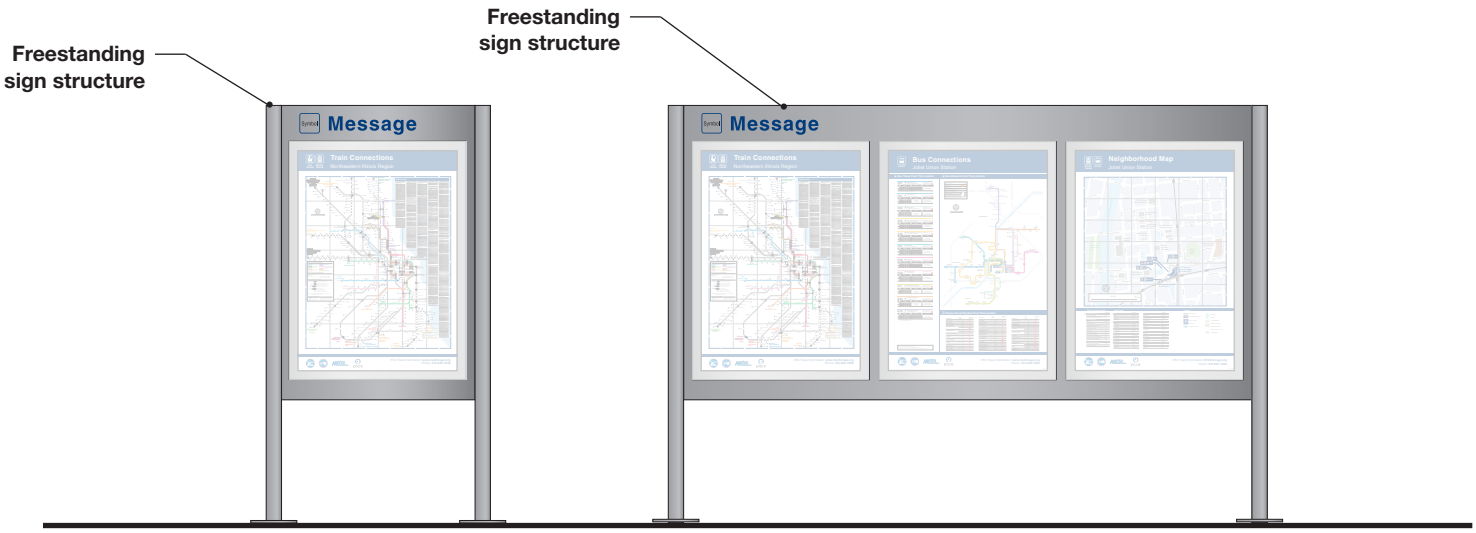
Description

General

The CWS series frames are custom snap frames fabricated from aluminum and display a single graphic panel.

The CWS series snap frames mount to the SWM, SFM, or SPY sign structures.

Section Introduction

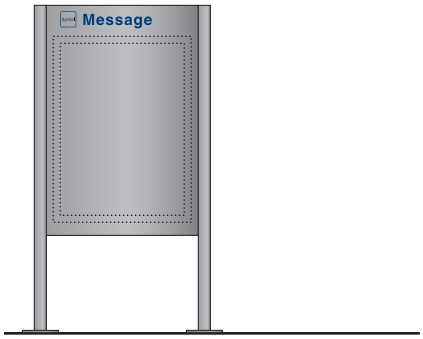


Description

General

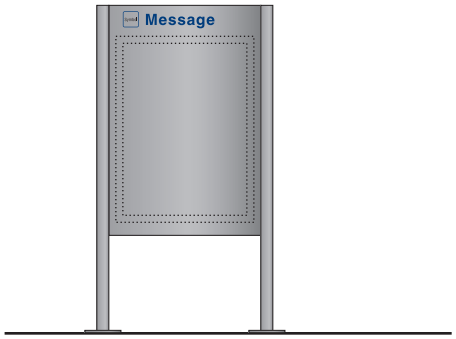
Section B3 general reference.

Sign Structure Overview



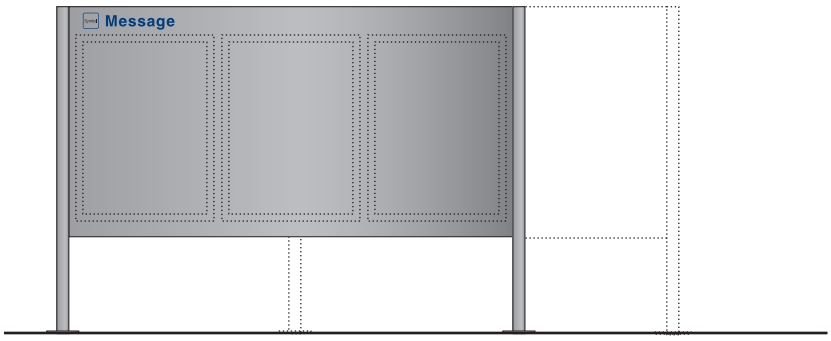
SFM Series Sign Structure
Single sided structure with one frame

The structure will hold CWS snap frames.
The snap frames are described in Section B2.



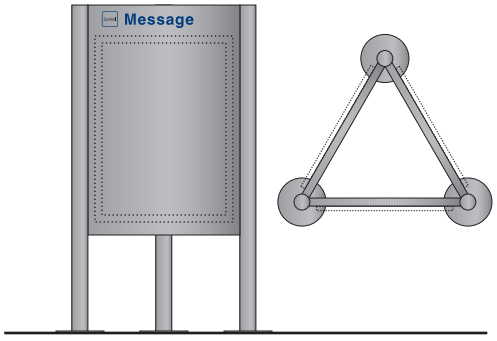
SFM Series Sign Structure
Double sided structure with one frame per side

The structure will hold CWS snap frames.
The snap frames are described in Section B2.



SFM Series Sign Structure
Single or double sided structure with multiple frames

The structure will hold CWS snap frames.
The snap frames are described in Section B2.



SPY Series Sign Structure
Multi sided structure with multiple frames

The structure will hold CWS snap frames.
The snap frames are described in Section B2.

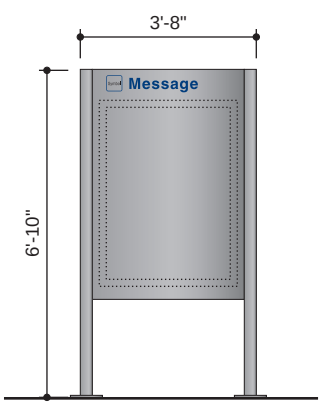
Description

General

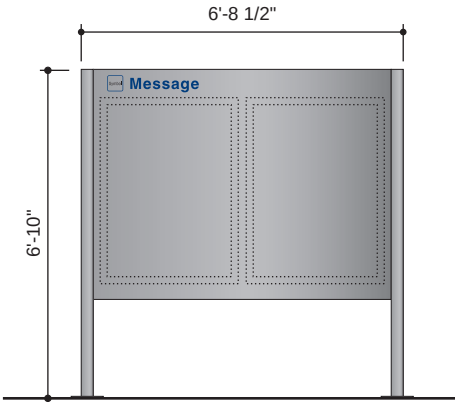
There are a variety of types of freestanding sign structures. CWS snap frames are mounted to the freestanding sign structures.

Freestanding structures may be used in exterior or interior locations where there are no suitable wall mounting surfaces for the signs.

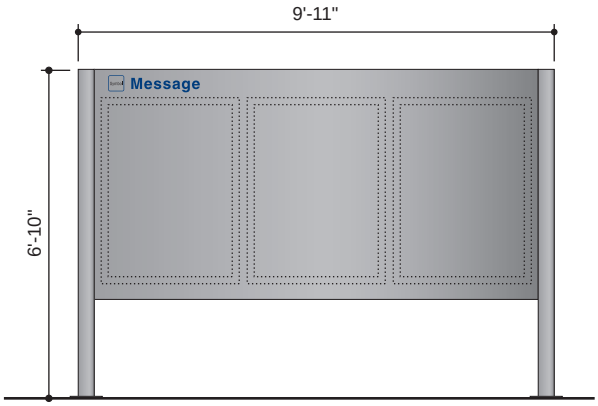
Sign Structure Size Summary



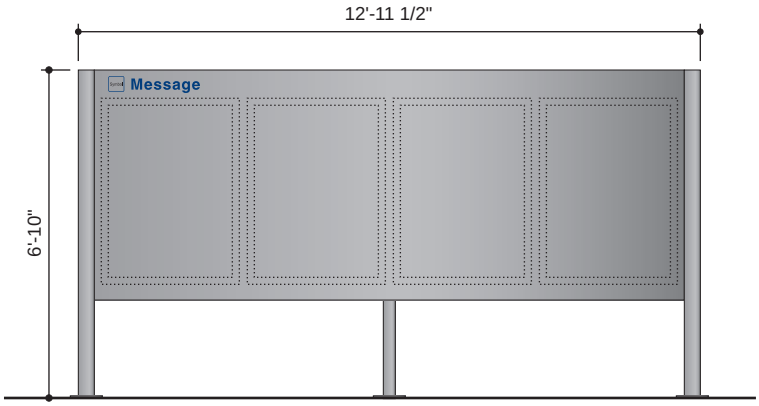
SFM-1.1 / SFM-1.2 Sign Structure



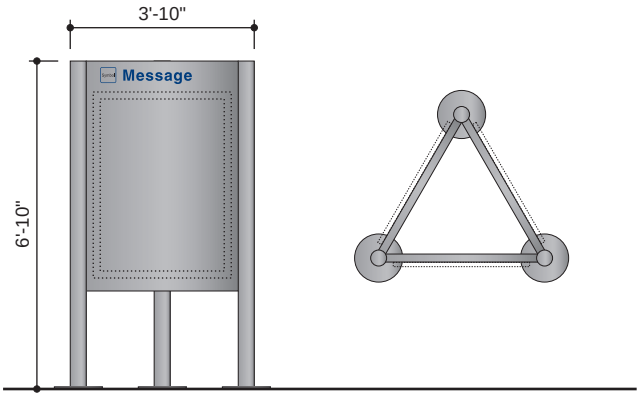
SFM-2.1 / SFM-2.2 Sign Structure



SFM-3.1 / SFM-3.2 Sign Structure



SFM-4.1 / SFM-4.2 Sign Structure



SPY-1.3 Sign Structure

Description

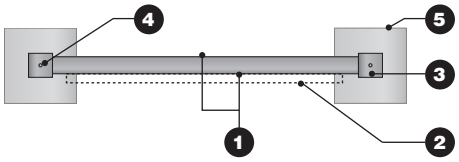
General

The freestanding sign structures are available in a variety of sizes. Coordinate the size and type of freestanding structure used with the information to be displayed and the space available at the installation location.

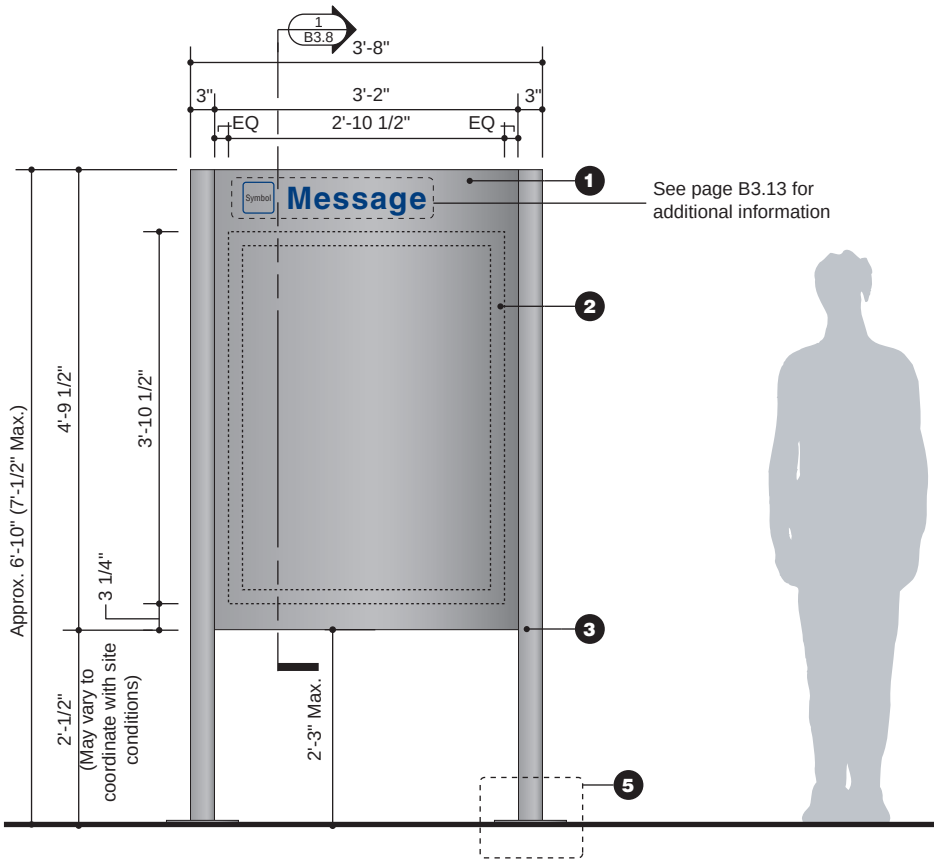
To coordinate with site conditions and to maintain design intent, sign structure fabrication and mounting as outlined in these Guidelines may need to be revised.

See the Technical Specifications for additional information and requirements.

SFM-1.1 Sign Structure



1 **Plan View - SFM-1.1 Sign Structure**
Scale: 1/2" = 1'-0"



2 **Elevation - SFM-1.1 Sign Structure**
Scale: 1/2" = 1'-0"

Associated Frame Information:
The following frames can be mounted to the SFM-1.1 Sign Structure: CWS snap frames, see Section B2.

Associated Structure Mounting Information:
For information on mounting the SFM-1.1 sign structure, see pages B3.9 - B3.12.

Description

General

The SFM-1.1 sign structure is freestanding and fabricated from stainless steel. One CWS snap frame can be mounted on one side of the SFM-1.1 sign structure. See page B3.5 for details of SFM-1.2 structures that have one frame mounted on each side. See page B3.6 for details of SFM structures that have more than one frame mounted on each side.

1 Stainless Steel Faces

The faces of the SFM-1.1 sign structure shall be fabricated from stainless steel. The faces shall have a brushed finish, horizontal grain. The faces shall be rigid, smooth, and flat. The faces shall be removable and shall be securely held in position by concealed, vandal-resistant hardware. No hardware shall be visible on the faces of the SFM-1.1 sign structure. The faces of the sign structure shall not have seams.

2 Frame Mounted to the Face of the SFM-1.1 Sign Structure

A CWS snap frame shall be properly, safely, and securely mounted to one face of the SFM-1.1 sign structure with concealed vandal-resistant hardware. All mounting hardware and components shall be suitable for exterior use. The mounting hardware shall allow for removal of the mounted sign frame for maintenance, repairs, and updates. Coordinate the fabrication of the sign structure with the components to be mounted to the structure. See page E4.3 for additional information regarding mounting frames to the sign structure.

3 Support Legs

The SFM-1.1 sign structure shall be properly, safely, and securely supported on stainless steel legs. The legs shall have a brushed finish, horizontal grain. The legs are to be closed at the top with flush, welded, stainless steel caps.

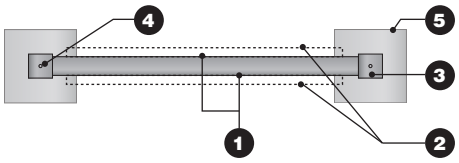
4 Threaded Hole for Lifting Eye

Flush top cap with threaded hole for lifting eye. Seal hole with flush stainless steel set screw and silicone after installation.

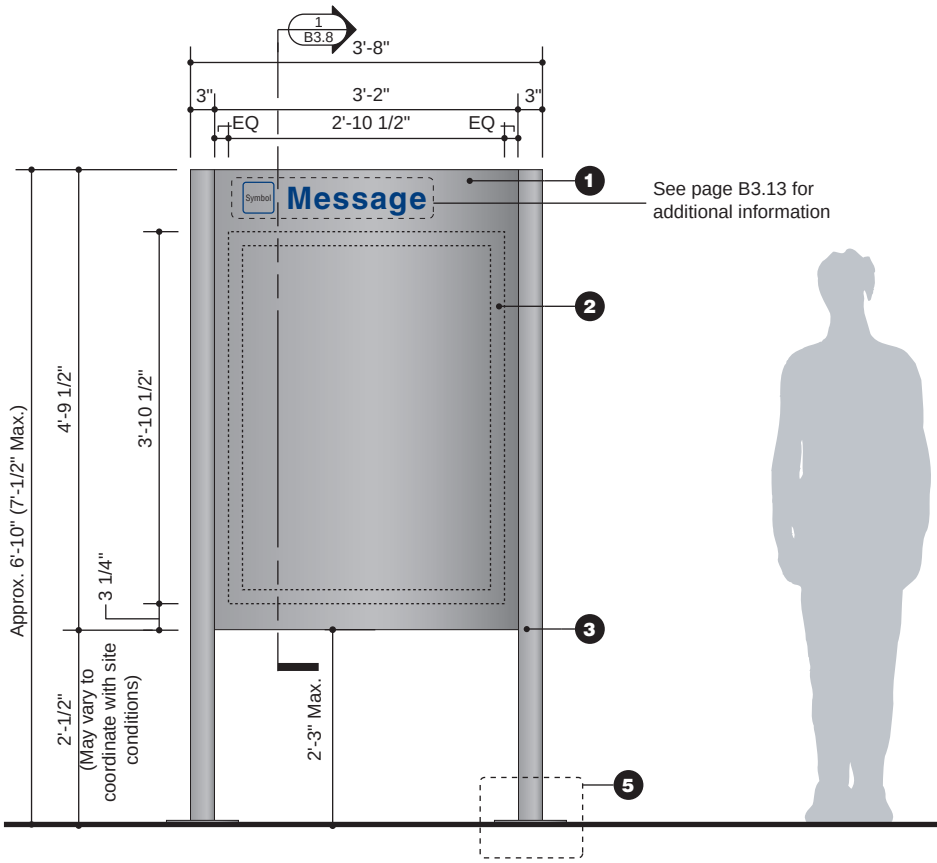
5 Structure Mounting

Provide all mounting hardware and materials as needed to properly, safely, and securely mount the SFM-1.1 sign structure. Coordinate the fabrication of the stainless steel legs with the structure mounting and site conditions. See pages B3.9 - B3.12 for additional information.

SFM-1.2 Sign Structure



1 **Plan View - SFM-1.2 Sign Structure**
Scale: 1/2" = 1'-0"



2 **Elevation - SFM-1.2 Sign Structure**
Scale: 1/2" = 1'-0"

Associated Frame Information:
The following frames can be mounted to the SFM-1.2 Sign Structure: CWS snap frames, see Section B2.

Associated Structure Mounting Information:
For information on mounting the SFM-1.2 sign structure, see pages B3.9 - B3.12.

Description

General

The SFM-1.2 sign structure is freestanding and fabricated from stainless steel. One CWS snap frame can be mounted on each side of the SFM-1.2 sign structure. See page B3.4 for details of SFM-1.1 structures that have one frame mounted on one side. See page B3.6 for details of SFM structures that have more than one frame mounted on each side.

1 Stainless Steel Faces

The faces of the SFM-1.2 sign structure shall be fabricated from stainless steel. The faces shall have a brushed finish, horizontal grain. The faces shall be rigid, smooth, and flat. The faces shall be removable and shall be securely held in position by concealed, vandal-resistant hardware. No hardware shall be visible on the faces of the SFM-1.2 sign structure. The faces of the sign structure shall not have seams.

2 Frames Mounted to the Faces of the SFM-1.2 Sign Structure

CWS snap frames shall be properly, safely, and securely mounted to both faces of the SFM-1.2 sign structure with concealed vandal-resistant hardware. All mounting hardware and components shall be suitable for exterior use. The mounting hardware shall allow for removal of the mounted sign frames for maintenance, repairs, and updates. Coordinate the fabrication of the sign structure with the components to be mounted to the structure. See page E4.3 for additional information regarding mounting frames to the sign structure.

3 Support Legs

The SFM-1.2 sign structure shall be properly, safely, and securely supported on stainless steel legs. The legs shall have a brushed finish, horizontal grain. The legs are to be closed at the top with flush, welded, stainless steel caps.

4 Threaded Hole for Lifting Eye

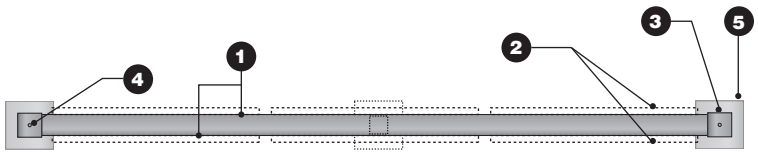
Flush top cap with threaded hole for lifting eye. Seal hole with flush stainless steel set screw and silicone after installation.

5 Structure Mounting

Provide all mounting hardware and materials as needed to properly, safely, and securely mount the SFM-1.2 sign structure. Coordinate the fabrication of the stainless steel legs with the structure mounting and site conditions. See pages B3.9 - B3.12 for additional information.

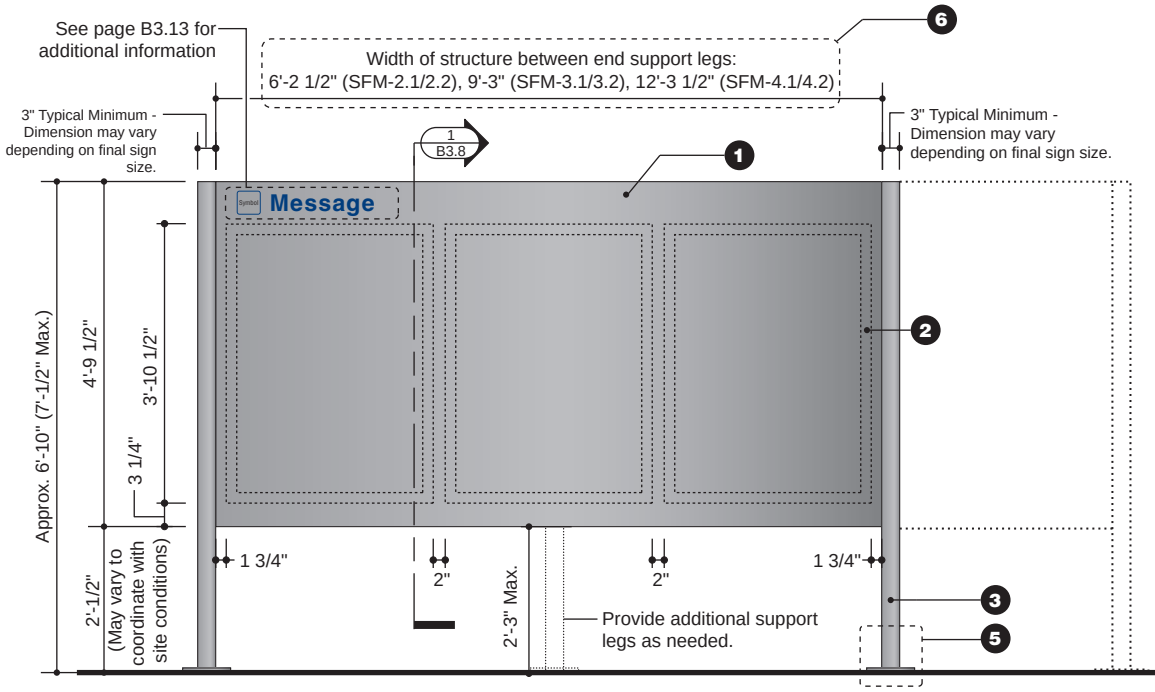
SECTION B3
Freestanding Structures for Sign Frames / Cabinets

SFM-2, SFM-3, and SFM-4 Sign Structure



2 ***Plan View - SFM Sign Structure (SFM-3.2 Shown)***

Scale: 3/8" = 1'-0"



1 ***Elevation - SFM Sign Structure (SFM-3.1/3.2 Shown)***

Scale: 3/8" = 1'-0"

Associated Frame Information:
The following frames can be mounted to this SFM Sign Structure:
CWS snap frames, see Section B2.

Associated Structure Mounting Information:
For information on mounting the SFM sign structure, see pages B3.9 - B3.12.

Description

General

The SFM sign structure is freestanding and fabricated from stainless steel. Two or more CWS snap frames can be mounted on each side of the SFM sign structure shown on this page. See pages B3.4 and B3.5 for details of SFM structures that have one frame mounted.

1 Stainless Steel Faces

The faces of the SFM sign structure shall be fabricated from stainless steel. The faces shall be rigid, smooth, and flat, and have a horizontal brushed finish. The faces shall be removable and shall be securely held in position by concealed, vandal-resistant hardware. No hardware shall be visible on the faces of the SFM sign structure. The faces of the SFM sign structure shall have minimal seams. Indicate the location of any seams on the Shop Drawings.

2 Frames Mounted to the Faces of the SFM Sign Structure

CWS snap frames shall be properly, safely, and securely mounted to one or both faces of the SFM sign structure with concealed vandal-resistant hardware suitable for exterior use. The mounting hardware shall allow for removal of the mounted frames for maintenance, repairs, and updates. Coordinate the fabrication of the sign structure with the components to be mounted to the structure. See page E4.3 for additional information regarding mounting frames to the sign structure.

3 Support Legs

The SFM sign structure shall be properly, safely, and securely supported on stainless steel legs. The legs shall have a horizontal brushed finish. The legs are to be closed at the top with flush, welded, stainless steel caps. Based on final sign size, structural engineer to determine final support leg quantity and dimensions as required to properly, safely, and securely support the sign.

4 Threaded Hole for Lifting Eye

Flush top cap with threaded hole for lifting eye. Seal hole with flush stainless steel set screw and silicone after installation.

5 Structure Mounting

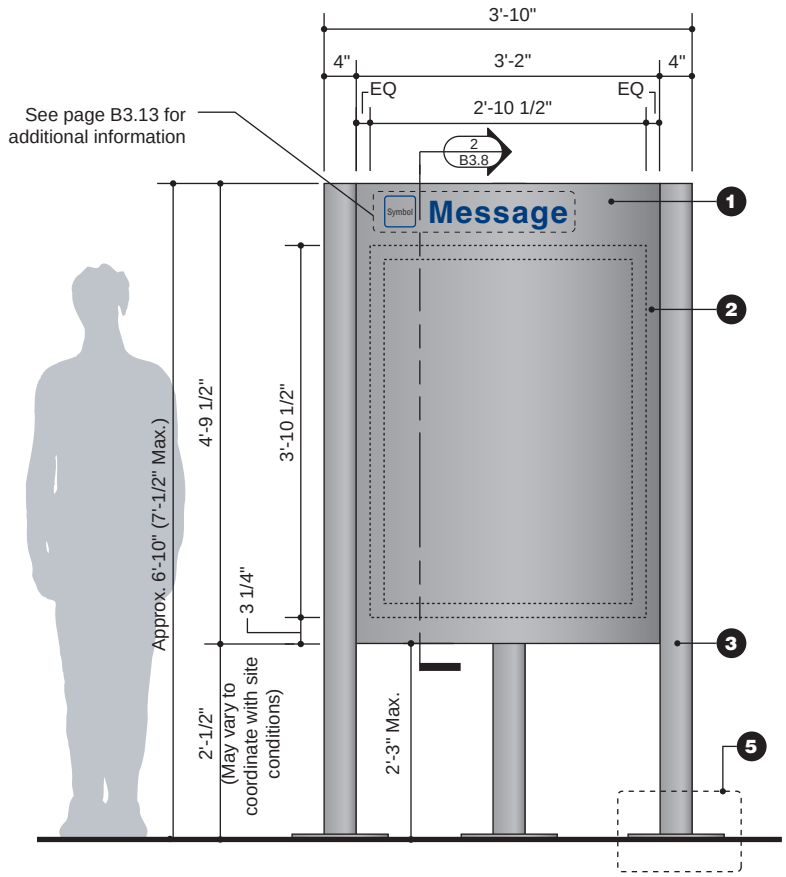
Provide all mounting hardware and materials as needed to properly, safely, and securely mount the SFM sign structure. Coordinate the fabrication of the stainless steel legs with the structure mounting and site conditions. See pages B3.9 - B3.12 for additional information.

6 SFM Width

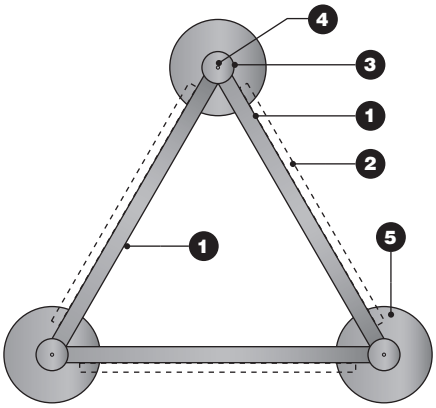
SFM sign structures that accommodate two or more CWS snap frames are available in three standard widths to accommodate two, three, or four snap frames on one or both sides of the structure. In the Message Schedule, the Support Structure code indicates the number of frames to be mounted to the SFM sign structure, and if the structure is single or double sided. See Section A3 for details regarding the codes. The snap frames shall be positioned and spaced on the sign structure as shown. For each SFM size, provide any additional structural components and additional support legs needed to properly, safely, and securely support the structure and all the components mounted to the structure.

SECTION B3
Freestanding Structures for Sign Frames / Cabinets

SPY-1.3 Sign Structure



1 ***Elevation: SPY-1.3 Sign Structure***
Scale: 1/2" = 1'-0"



2 ***Plan View - SPY-1.3 Sign Structure***
Scale: 1/2" = 1'-0"

Associated Frame Information:
The following frames can be mounted to the SPY-1.3 Sign Structure:
CWS snap frames, see Section B2.

Associated Structure Mounting Information:
For information on mounting the SPY-1.3 sign structure, see pages B3.9 - B3.12.

Description

General

The SPY-1.3 sign structure is a freestanding, three-sided pylon fabricated from stainless steel. CWS snap frames can be mounted on each side of the structure.

1 Stainless Steel Faces

The faces of the SPY-1.3 sign structure shall be fabricated from stainless steel. The faces shall have a brushed finish, horizontal grain. The faces shall be rigid, smooth, and flat. The faces shall be removable and shall be securely held in position by concealed, vandal-resistant hardware. No hardware shall be visible on the faces of the SPY-1.3 sign structure. The faces of the sign structure shall not have seams.

2 Frames Mounted to the Faces of the SPY-1.3 Sign Structure

A CWS snap frame shall be properly, safely, and securely mounted to each of the faces of the SPY-1.3 sign structure with concealed vandal-resistant hardware. All mounting hardware and components shall be suitable for exterior use. The mounting hardware shall allow for removal of the mounted sign frames for maintenance, repairs, and updates. Coordinate the fabrication of the sign structure with the components to be mounted to the structure. See page E4.3 for additional information regarding mounting frames to the sign structure.

3 Support Legs

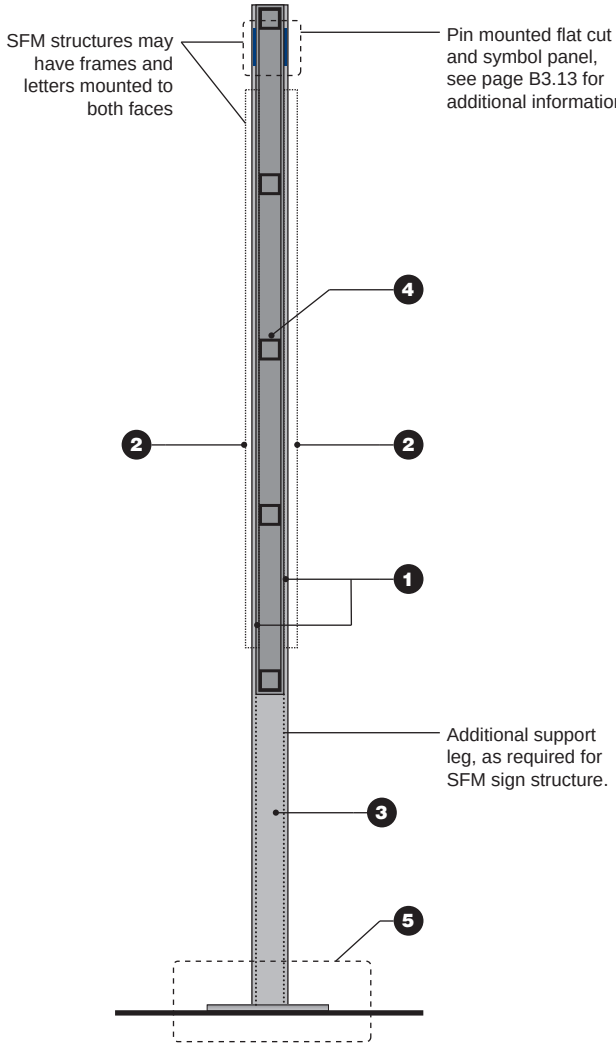
The SPY-1.3 sign structure shall be properly, safely, and securely supported on cylindrical stainless steel legs. The legs shall have a brushed finish, horizontal grain. The legs are to be closed at the top with flush, welded, stainless steel caps.

4 Threaded Hole for Lifting Eye

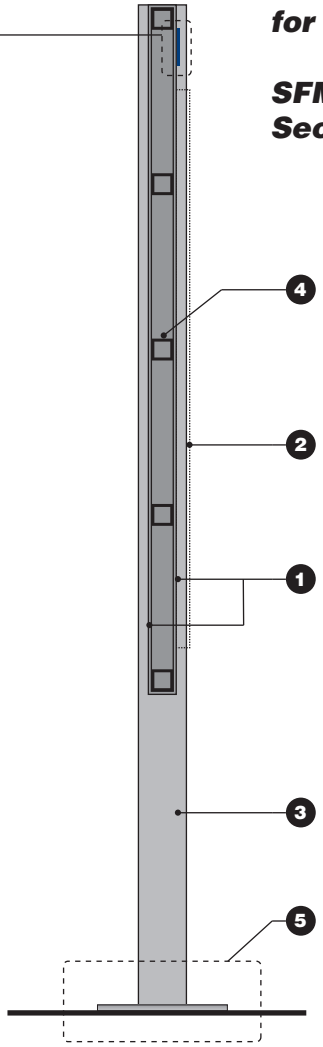
Flush top cap with threaded hole for lifting eye. Seal hole with flush stainless steel set screw and silicone after installation.

5 Structure Mounting

Provide all the mounting hardware and materials needed to properly, safely, and securely mount the SPY-1.3 sign structure. Coordinate the fabrication of the stainless steel legs with the structure mounting and site conditions. See pages B3.9 - B3.12 for additional information.



1 Section - SFM
Scale: 3/4" = 1'-0"



2 Section - SPY-1.3
Scale: 3/4" = 1'-0"

Description

1 Stainless Steel Faces

The faces of the SFM and SPY sign structures shall be fabricated from stainless steel.

2 Frames Mounted to the Faces of the SFM & SPY Sign Structures

CWS snap frames shall be properly, safely, and securely mounted to one or both sides of the sign structure with concealed vandal-resistant hardware. All mounting hardware and components shall be suitable for exterior use. The mounting hardware shall allow for removal of the mounted sign frames for maintenance, repairs, and updates. Coordinate the fabrication of the sign structure with the components to be mounted to the structure. See page E4.3 for additional information regarding mounting frames to the sign structure.

3 Support Legs

The SFM and SPY sign structures shall be properly, safely, and securely supported on stainless steel legs. The legs shall have a brushed finish, horizontal grain. The legs shall be closed at the top with flush, welded, stainless steel caps.

4 Internal Framing

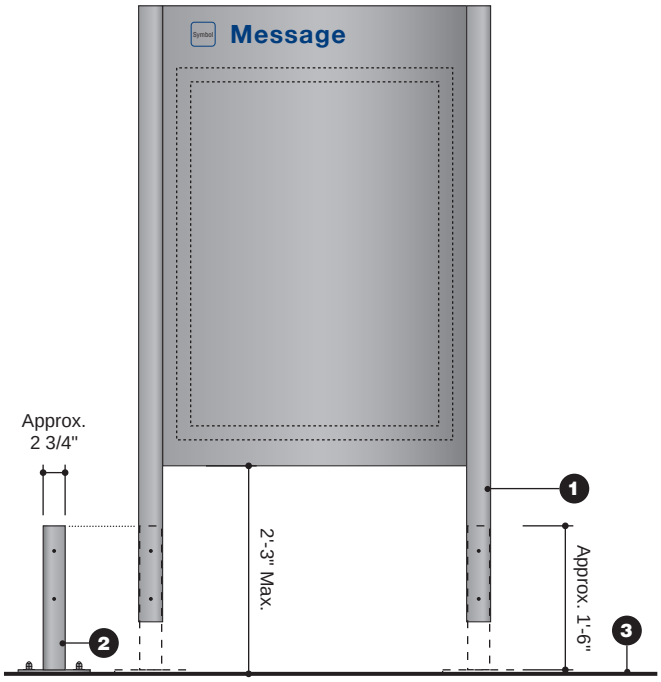
Provide internal framing and bracing as needed for the SFM and SPY sign structures to be rigid and structurally sound and for the sign structure to be properly, safely, and securely mounted to various surfaces. The internal framing shall also properly, safely, and securely support any sign components which are mounted to the SFM and SPY sign structures.

5 Structure Mounting

Provide all mounting hardware and materials as needed to properly, safely, and securely mount the SFM and SPY sign structures. Coordinate the fabrication of the stainless steel legs with the structure mounting and site conditions. See pages B3.9 - B3.12 for additional information.

SECTION B3
Freestanding Structures for Sign Frames / Cabinets

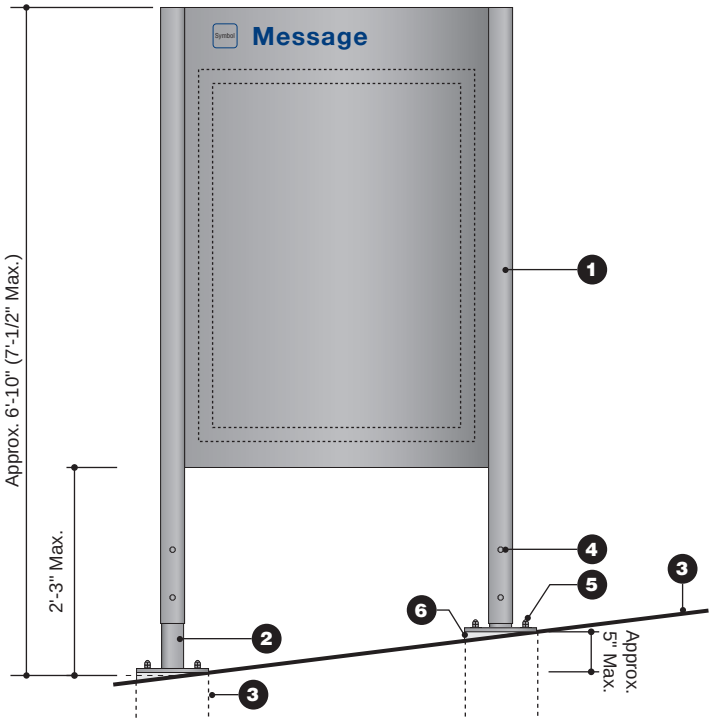
SMFS Structure Mounting (Sleeved Legs)



Elevation - SMFS Structure Mounting on Flat Ground

1 *Scale: 1/2" = 1'-0"*

Associated Sign Structures:
The SMFS structure mounting can be used with the following sign structures:
SFM-1.1, see page B3.4 for additional information.
SFM-1.2, see page B3.5 for additional information.
SFM Variable Width, see page B3.6 for additional information.
SPY-1.3, see page B3.7 for additional information.



Elevation - SMFS Structure Mounting on Sloping Ground

2 *Scale: 1/2" = 1'-0"*

Description

General

Structure mounting SMFS is for securing ground mount sign structures at locations where site conditions are sloping or uneven and the flexibility provided by sleeved legs would be preferable to other mounting approaches. The SMFS can compensate for slopes up to approximately 5" across the width of the sign structure.

1 Stainless Steel Legs From SFM or SPY Sign Structure

Coordinate the SMFS fabrication with the materials, finishes, and construction of the SFM and SPY as required. The SFM or SPY legs shall sleeve over mounting stub posts. Coordinate the size of the SFM or SPY legs with the stub posts. The length of the sign structure legs may need to be adjusted to coordinate with site conditions and to keep the distance from the ground to any point along the bottom edge of the sign from exceeding 2'-3".

2 SMFS Stub Posts

Provide brushed stainless steel stub posts welded to stainless steel mounting flanges. The stub posts shall precisely sleeve within the SFM or SPY sign structure legs. Size the stub posts and mounting flanges as required to properly, safely, and securely support the sign structure and all the sign components mounted to the sign structure.

3 Existing Pavement or New Concrete Foundations

The SMFS can be used at locations with existing pavement or at locations where new foundations are required. Verify on site the conditions at each installation location. Coordinate the foundations and mounting hardware with the sign structure and with the existing conditions at each installation location. New concrete foundations shall be professionally engineered. Provide heavy-duty anchor bolts and assembly bolts as required to properly, safely, and securely anchor the sign structure and all the sign components mounted to the sign structure. Provide any additional concrete, bracing, framing, or other additional support components required to properly, safely, and securely support the entire sign structure and all the sign components mounted to the sign structure.

4 Post Bolts

Provide heavy duty stainless steel bolts with finished cap nuts as required to properly, safely, and securely secure the SFM or SPY sign structure to the stub posts.

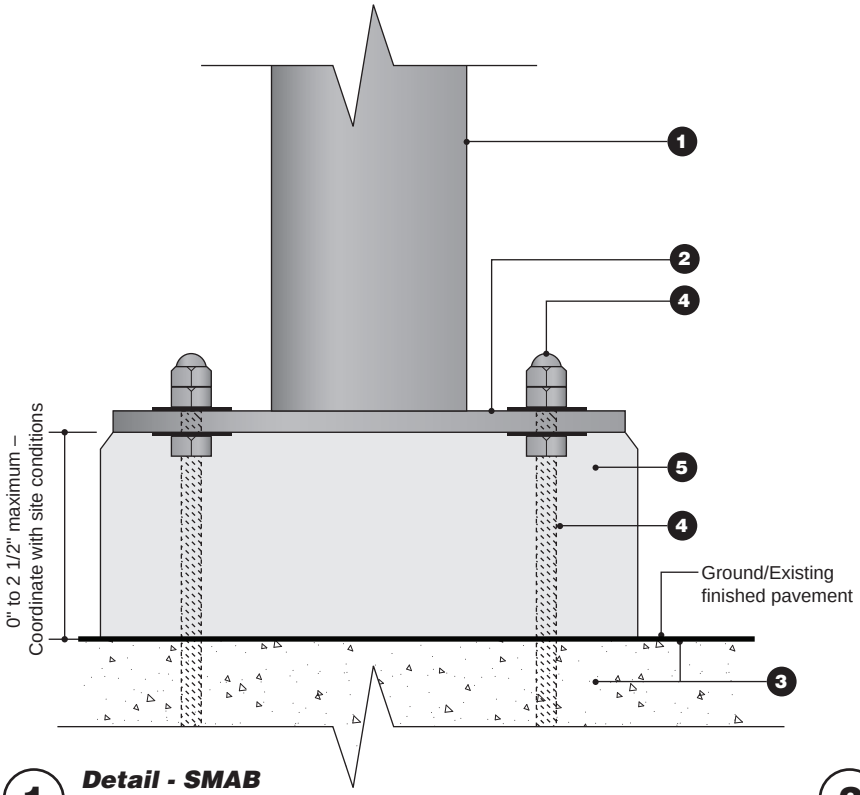
5 Anchor Bolts & Mounting Hardware

Provide all anchor bolts and mounting hardware as needed to properly, safely, and securely mount the entire sign structure to the foundation or the existing pavement. Secure the stub posts to the anchor bolts with appropriate locking nuts. Provide appropriate acorn-type cap nuts, or similar finished cap nuts accepted by the RTA, to finish the tops of the anchor bolts.

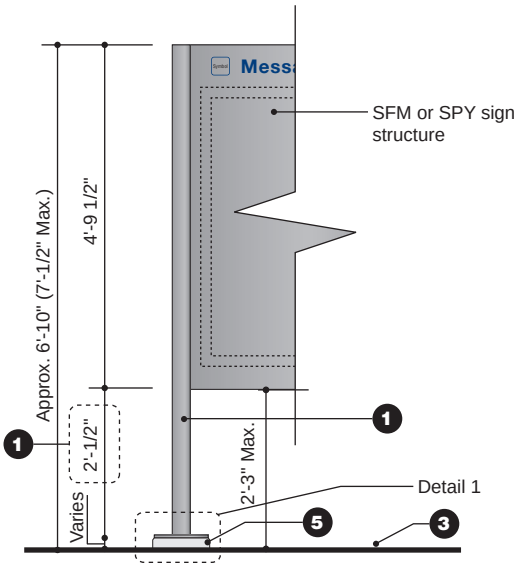
6 Install Signs Plumb and Level

Coordinate the SFM and the SPY sign structure with the SMFS mounting so that the complete sign assembly is plumb and level. The distance from the ground to any point along the bottom of the sign structure shall not exceed 2'-3". Provide appropriate grout to fill any gaps between the flanges and the tops of the foundations or pavement as required.

SMAB Structure Mounting



1 Detail - SMAB
Scale: NTS



2 Reference Elevation - SMAB
Scale: 3/8" = 1'-0"

Associated Sign Structures:
The SMAB structure mounting can be used with the following sign structures:
SFM-1.1, see page B3.4 for additional information.
SFM-1.2, see page B3.5 for additional information.
SFM Variable Width, see page B3.6 for additional information.
SPY-1.3, see page B3.7 for additional information.

Description

General

Structure mounting SMAB is for securing ground mount sign structures to existing pavement.

1 Stainless Steel Legs From SFM or SPY Sign Structure

Coordinate the fabrication of the sign structure with the sign mounting as needed to maintain the correct overall sign structure height and to not exceed the maximum distance from the ground to the bottom of the sign. Coordinate SMAB with the site conditions and the materials, finishes, and construction of the stainless steel legs as required. Prior to fabrication, inform the RTA of any conditions or locations that would cause the maximum distance from the ground to the bottom of the sign to be exceeded. The length of the sign structure legs may need to be adjusted to coordinate with the site conditions and to keep the distance from the ground to any point along the bottom of the sign from exceeding 2'-3".

2 Mounting Flanges

Provide a stainless steel mounting flange for each of the legs of the sign structure. Weld the mounting flanges to the bases of the stainless steel legs. All welded frame joins shall be carefully ground smooth and finished as needed for a seamless appearance and continuous finish. Size the mounting flanges as required to properly, safely, and securely support the entire sign.

3 Existing Floor or Pavement

Verify on site the conditions at each installation location. Coordinate the sign anchor bolts and mounting hardware with the conditions at each installation location as required to properly, safely, and securely install the entire sign.

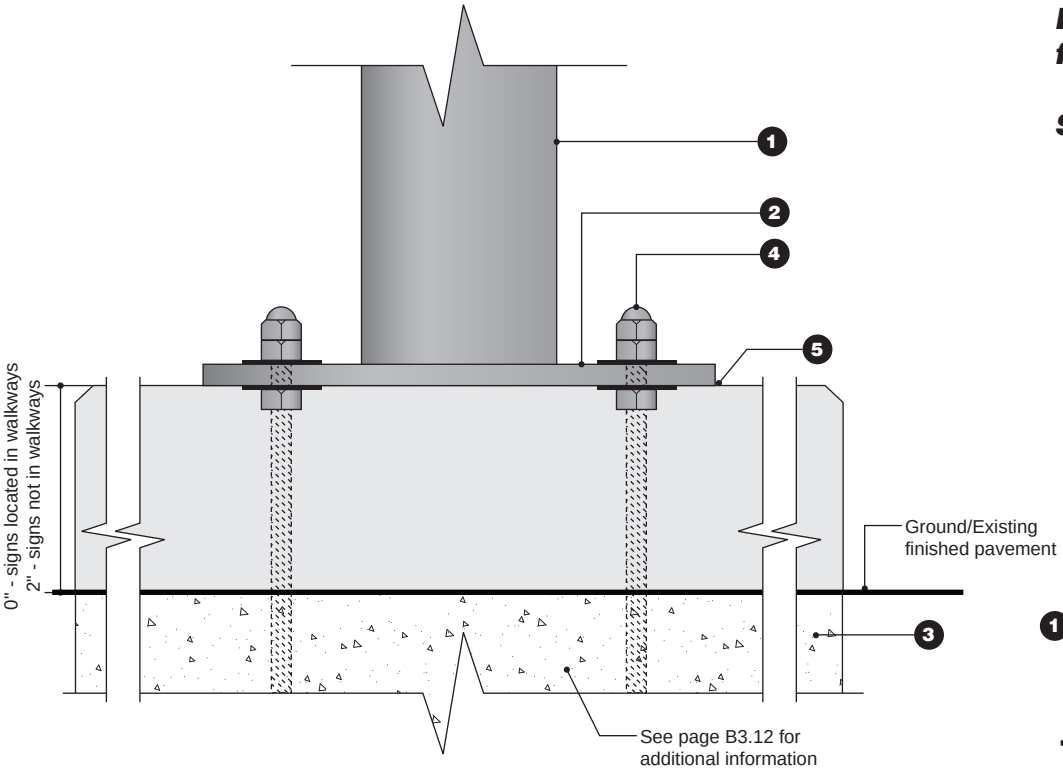
4 Anchor Bolts & Mounting Hardware

Provide all anchor bolts and mounting hardware as needed to properly, safely, and securely mount the entire sign. Coordinate the anchor bolts and mounting hardware with the mounting surface and site conditions as required. Install signs plumb and level. Provide appropriate systems and set ups to accommodate uneven surfaces at installation locations. Provide leveling hardware as required. Secure the sign structure to the anchor bolts with appropriate locking nuts. Provide appropriate stainless steel acorn-type cap nuts, or similar finished stainless steel cap nuts accepted by the RTA, to finish the tops of the anchor bolts. Provide any additional bracing, framing, or other additional support and mounting components required to properly, safely, and securely support and install the entire sign.

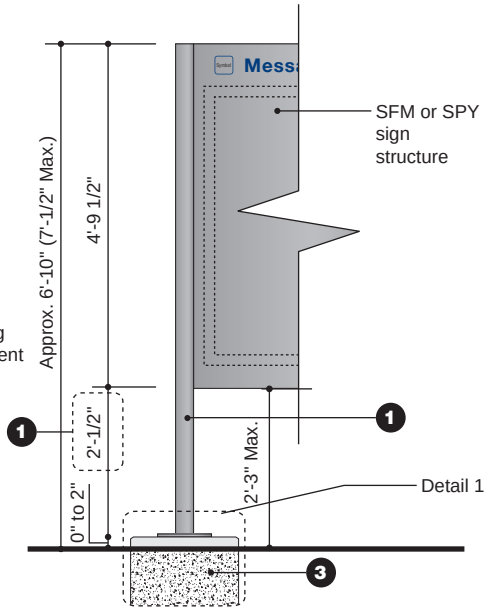
5 Non-shrink Grout

Provide appropriate non-shrink grout to fill the space between the flanges and the tops of the finished floor or pavement as required.

SMCF Structure Mounting



1 Detail - SMCF
Scale: NTS



2 Reference Elevation - SMCF
Scale: 3/8" = 1'-0"

Associated Sign Structures:
The SMCF structure mounting can be used with the following sign structures:
SFM-1.1, see page B3.4 for additional information.
SFM-1.2, see page B3.5 for additional information.
SFM Variable Width, see page B3.6 for additional information.
SPY-1.3, see page B3.7 for additional information.

Description

General

Structure mounting SMCF is for securing ground mount sign structures at locations where new 4'-0" deep concrete foundations are required.

1 Stainless Steel Legs From SFM or SPY Sign Structure

Coordinate the fabrication of the sign structure with the sign mounting and foundation as needed to maintain the correct overall sign structure height and to not exceed the maximum distance from the ground to the bottom of the sign. Coordinate SMCF with the site conditions and the materials, finishes, and construction of the stainless steel legs as required. Prior to fabrication, inform the RTA of any conditions or locations that would cause the maximum distance from the ground to the bottom of the sign to be exceeded. The length of the sign structure legs may need to be adjusted to coordinate with the site conditions and to keep the distance from the ground to any point along the bottom of the sign from exceeding 2'-3".

2 Mounting Flanges

Provide a stainless steel mounting flange for each of the legs of the sign structure. Weld the mounting flanges to the bases of the stainless steel legs. All welded frame joins shall be carefully ground smooth and finished as needed for a seamless appearance and continuous finish. Size the mounting flanges as required to properly, safely, and securely support the entire sign.

3 New Concrete Foundation

Provide new, professionally engineered concrete foundations. Coordinate the foundations with the sign structure and with the existing conditions at each installation location. At locations where new foundations are in walkways, the tops of the foundations shall be flush with the surrounding pavement. Verify on site the conditions at each installation location. Provide heavy-duty stainless steel anchor bolts set into the foundations as required to properly, safely, and securely anchor the entire sign. At all locations, carefully finish exposed portions of the foundations to provide a neat, smooth, and finished appearance. Provide expansion joints and expansion joint filler between foundations and adjoining paving as required to minimize cracking. Provide any additional bracing, framing, or other additional support and mounting components required to properly, safely, and securely support and install the entire sign. See page B3.12 for additional information.

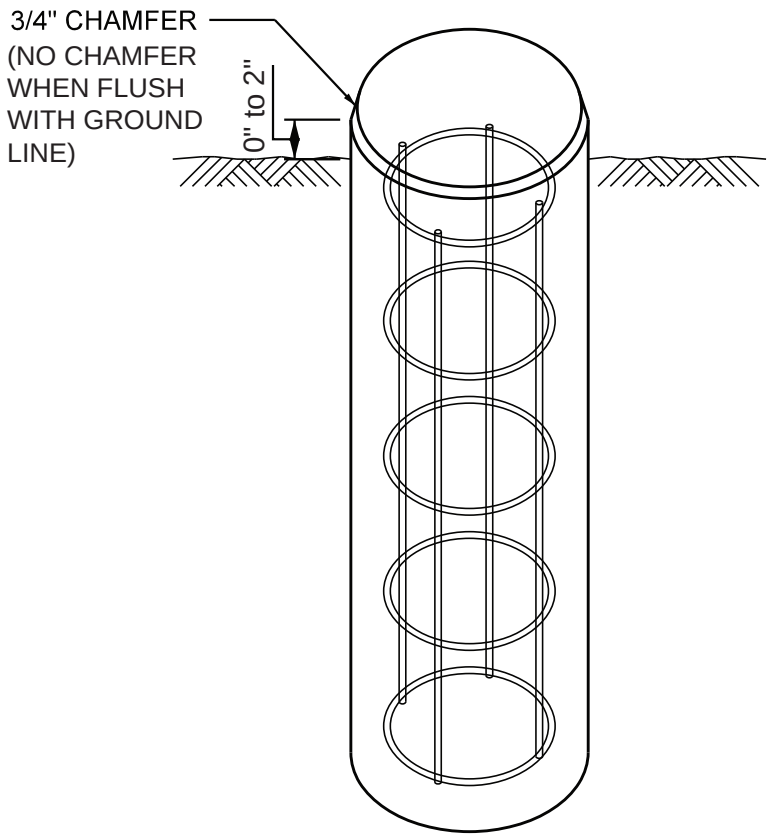
4 Mounting Hardware

Provide all mounting hardware as needed to properly, safely, and securely mount the entire sign. Coordinate the mounting hardware with the mounting surface and site conditions as required. Install signs plumb and level. Provide appropriate systems and set ups to accommodate uneven surfaces at installation locations. Provide leveling hardware as required. Secure the sign structure to the anchor bolts with appropriate locking nuts. Provide appropriate stainless steel acorn-type cap nuts, or similar finished stainless steel cap nuts accepted by the RTA, to finish the tops of the anchor bolts.

5 Non-shrink Grout

Provide appropriate non-shrink grout to fill the space between the flanges and the tops of the foundations as required.

Foundation for SMCF Structure Mounting



1 ***New Concrete Foundation for SMCF Mounting – Isometric View***
Scale: NTS

See page B3.11 for additional information on SMCF structure mounting.

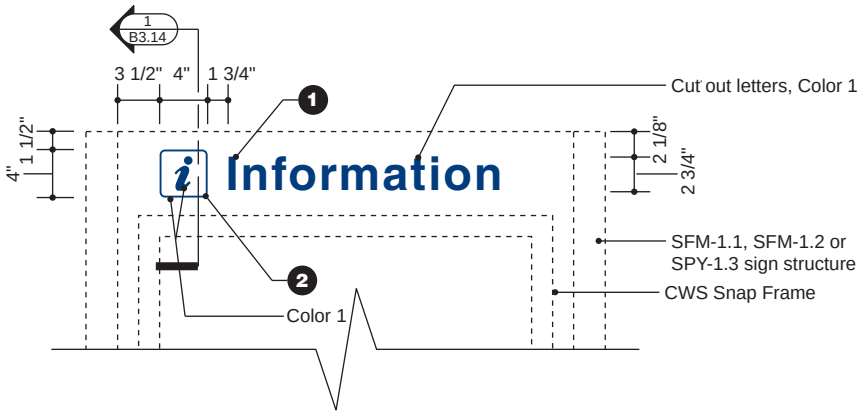
Description

General

If required, provide new, professionally engineered concrete foundations. Coordinate the size and type of foundations with the sign structure and with the existing conditions at each installation location. Verify on site the conditions at each installation location. At locations where new foundations are in walkways, the tops of the foundations shall be flush with the surrounding pavement. Provide heavy-duty stainless steel anchor bolts as required to properly, safely, and securely anchor the entire sign. At all locations, carefully finish exposed portions of the foundations to provide a neat, smooth, and finished appearance. Provide expansion joints and expansion joint filler between foundations and adjoining paving as required to minimize cracking. Provide any additional bracing, framing, or other additional support and mounting components required to properly, safely, and securely support and install the entire sign.

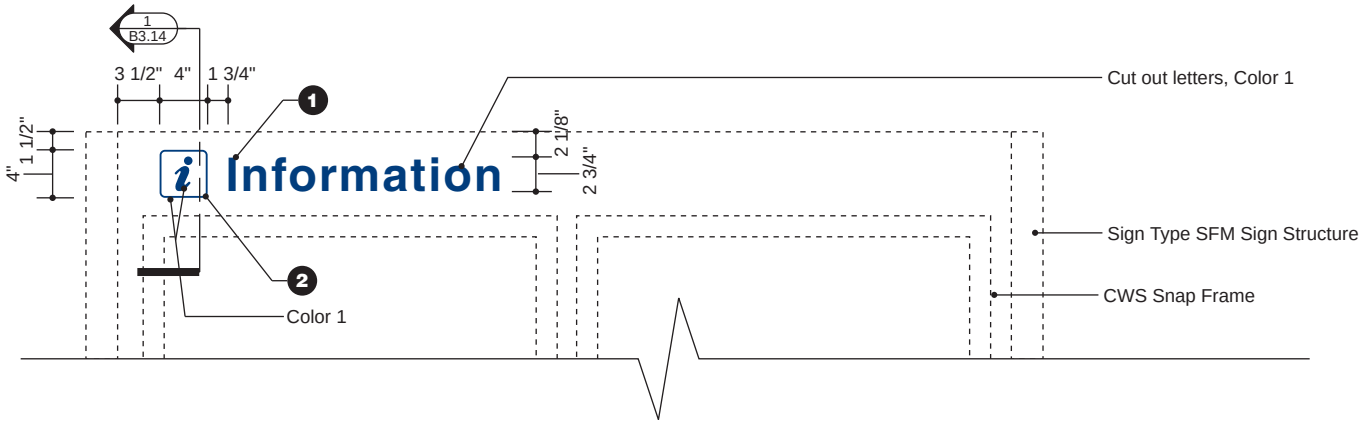
See the Technical Specifications for additional information and requirements.

Cut Out Letters Elevation



Associated Sign Structures:
SFM-1.1, see page B3.4 for additional information.
SFM-1.2, see page B3.5 for additional information.
SFM Variable Width, see page B3.6 for additional information.
SPY-1.3, see page B3.7 for additional information.

1 ***Detail Elevation - Cut Out Letters on SFM-1.1, SFM-1.2, and SPY-1.3 Sign Structures***
Scale: 3/4" = 1'-0"



2 ***Detail Elevation - Cut Out Letters on SFM Sign Structure with more than one frame per side***
Scale: 3/4" = 1'-0"

Description

General

SFM and SPY sign structures include cut out acrylic letters and a milled acrylic symbol panel with a stainless steel insert attached directly to the structure.

1 Cut Out Letters

1/4" thick letters water jet cut from acrylic. Letters shall have a painted finish.

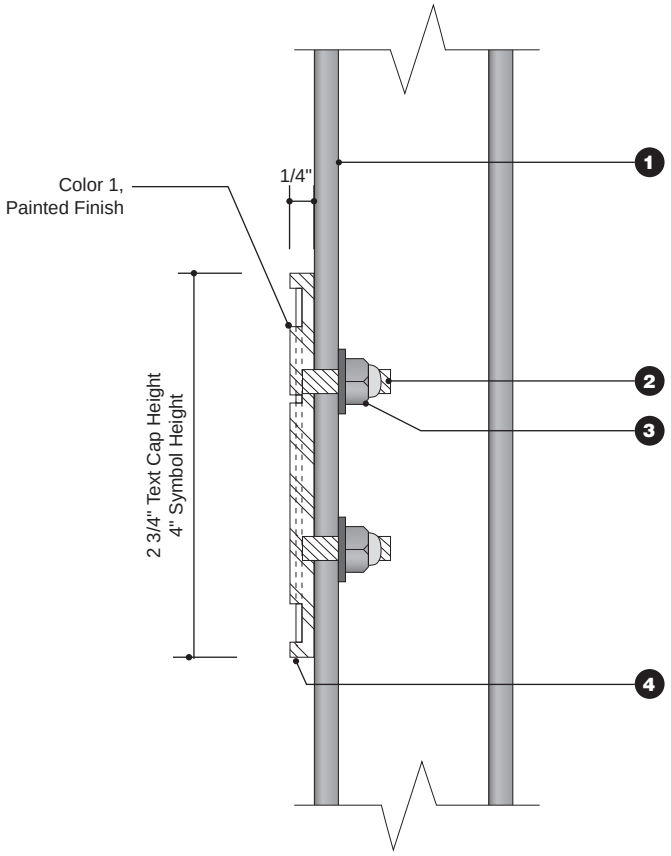
Letters shall be permanently pin mounted to the sign structure.

2 Milled Acrylic Symbol Panel With Stainless Steel Insert

1/4" thick milled acrylic symbol panel with 1/8" thick raised symbol and border. The acrylic panel shall have painted finish (all surfaces) and shall be permanently pin mounted to the sign structure. Symbol background shall be a cut-out 16 gauge stainless steel insert with a horizontal brushed finish. Stainless steel shall be precisely cut-out to fit within the acrylic panel and around the raised symbol.

Vinyl Graphics

In certain cases, it will be desired to convert a SFM sign structure that was originally fabricated as single-sided, with letters and symbol installed on one side, to a double-sided structure. In these instances, the letters and symbol shall be added to the second side of the sign structure as cut-out, applied, opaque graphic sheeting. The vinyl letters and symbol shall be the same size and position as the acrylic letters and symbol.



1 ***Detail Section - Cut Out Letters Mounted to SFM or SPY Sign Structures***

Scale: 1/2" = 1"

Associated Sign Structures:
SFM-1.1, see page B3.4 for additional information.
SFM-1.2, see page B3.5 for additional information.
SFM Variable Width, see page B3.6 for additional information.
SPY-1.3, see page B3.7 for additional information.

Description

General

Each SFM and SPY sign structure includes cut out acrylic letters and a milled acrylic symbol panel with a stainless steel insert attached directly to the structure.

1 SFM or SPY Sign Structure

Coordinate the construction of the SFM and SPY sign structures so that the pin mounted cut out letters and milled acrylic symbol panel can be properly, safely, securely, and permanently mounted to the faces of the structures.

2 Stainless Steel Mounting Pins

Provide threaded stainless steel mounting pins as needed to properly, safely, securely, and permanently mount the cut out letters and milled acrylic symbol panel. Coordinate the quantity, size, and length of the pins with the size and weight of the letters and symbol panel and the construction of SFM and SPY sign structures. Properly, safely, securely, and permanently secure the pins to the backs of the letters and symbol panel.

3 Stainless Steel Lock Nuts

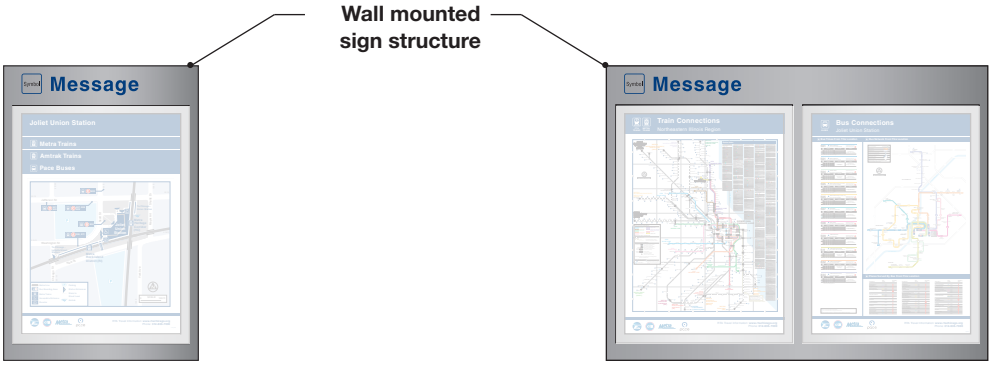
Provide the appropriate stainless steel lock nuts as needed to work with the mounting pins to properly, safely, securely, and permanently secure the cut out letters and milled acrylic symbol panel. Add silicone adhesive to the end of the mounting pins to lock the nuts in position.

4 Letters and Milled Acrylic Symbol Panel with Stainless Steel Insert

1/4" thick water jet cut acrylic letters and 1/4" thick milled acrylic symbol panel with cut-out 16 gauge stainless steel insert.

SECTION B4
Wall Mount Structures for Sign Frames / Cabinets

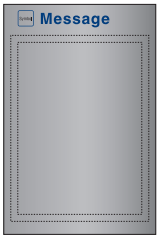
Section Introduction



Description

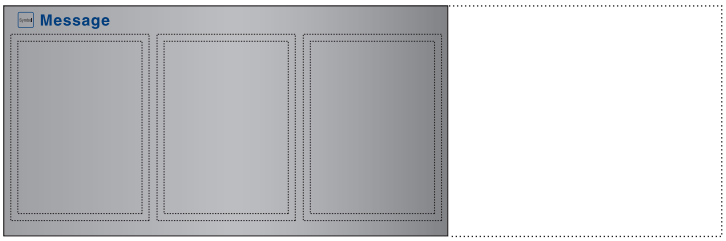
General

Section B4 general reference.



SWM Series Sign Structure
Single sided structure with one frame

The structure will hold CWS snap frames. The snap frames are described in Section B2.



SWM Series Sign Structure
Single sided structure with multiple frames

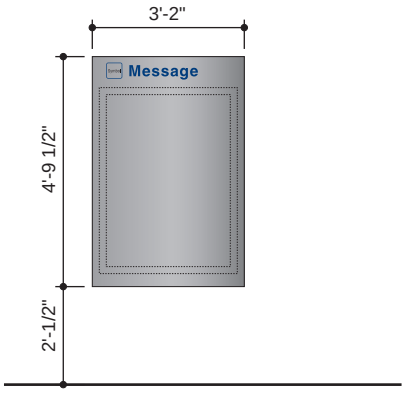
The structure will hold CWS snap frames. The snap frames are described in Section B2.

Description

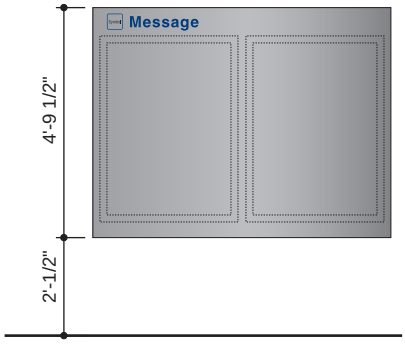
General

SWM sign structures are wall mounted. CWS snap frames are mounted to the SWM sign structures. SWM sign structures may be used in exterior or interior locations where there are suitable wall mounting surfaces for the signs.

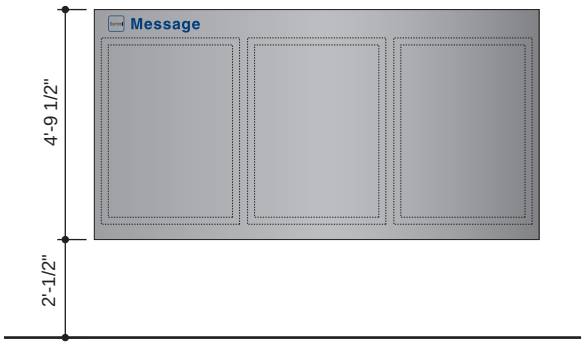
Sign Structure Size Summary



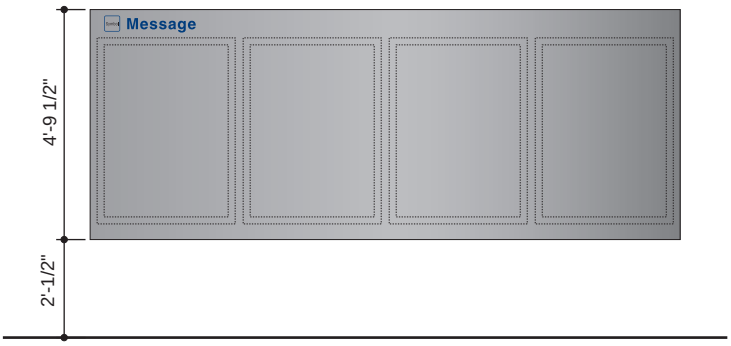
SWM-1.1 Sign Structure



SWM-2.1 Sign Structure



SWM-3.1 Sign Structure



SWM-4.1 Sign Structure

Description

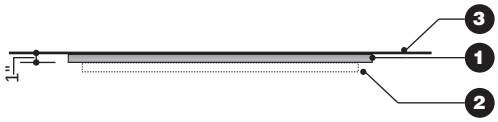
General

The SWM series sign structures are available in a variety of sizes. Coordinate the size and type of wall mounted structure used with the information to be displayed and the space available at the installation location.

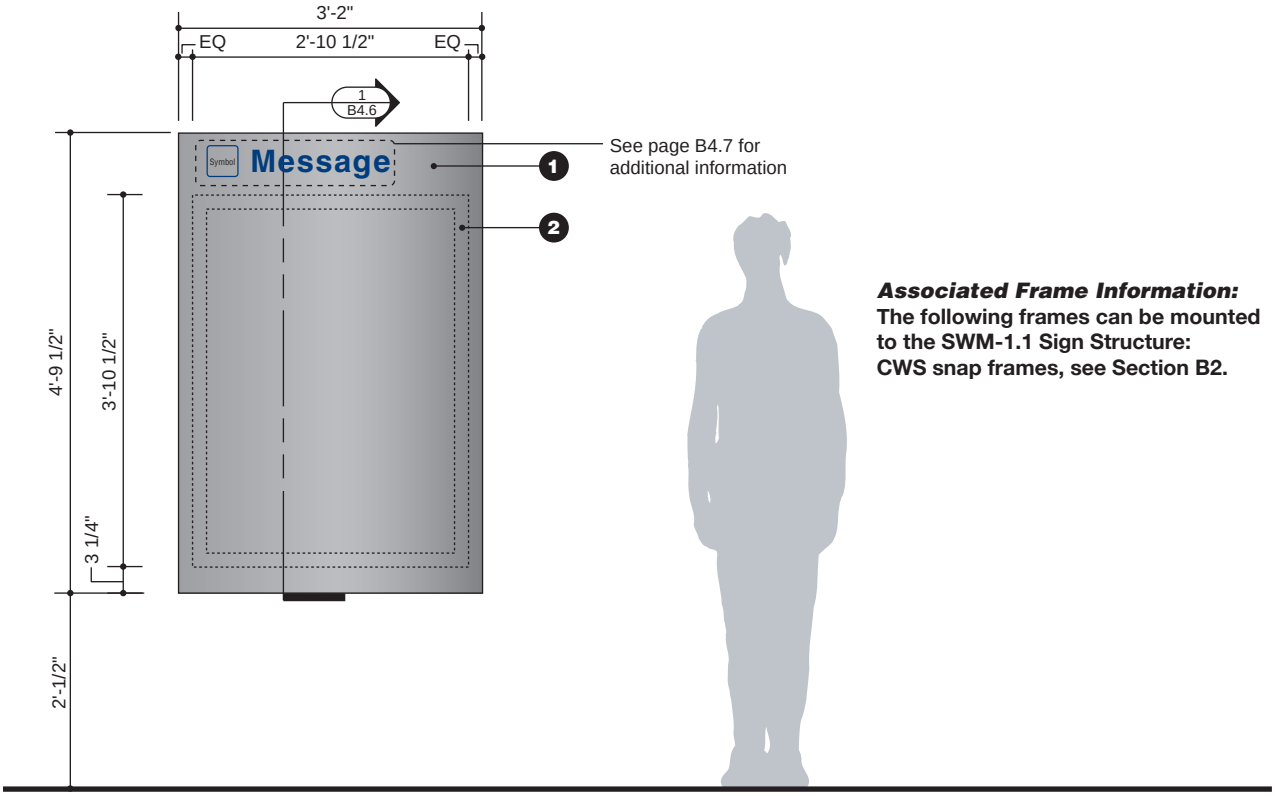
To coordinate with site conditions and to maintain design intent, sign structure fabrication and mounting as outlined in these Guidelines may need to be revised.

See the Technical Specifications for additional information and requirements.

SWM-1.1 Sign Structure



2 ***Plan View - SWM-1.1 Sign Structure***
Scale: 1/2" = 1'-0"



Associated Frame Information:
The following frames can be mounted to the SWM-1.1 Sign Structure: CWS snap frames, see Section B2.

1 ***Elevation - SWM-1.1 Sign Structure***
Scale: 1/2" = 1'-0"

Description

General

The SWM-1.1 sign structure is wall mounted and fabricated from stainless steel. One CWS snap frame can be mounted to the SWM-1.1 sign structure. See page B4.5 for details of SWM structures that have more than one frame mounted.

1 Stainless Steel Face and Returns

The face and returns of the SWM-1.1 shall be fabricated from stainless steel. The SWM-1.1 face and returns shall have a brushed finish, horizontal grain. The face and returns shall be rigid, smooth, and flat. The face shall be removable and shall be securely held in position by concealed, vandal-resistant hardware. No hardware shall be visible on the face of the SWM-1.1 sign structure. The face of the SWM-1.1 sign structure shall not have seams. Provide a partially or fully enclosed back for the SWM-1.1 structure as needed when the structure will be installed at a location where the back of the structure is visible or accessible. The back shall be enclosed using the same material as the face and returns.

2 Frame Mounted to the Face of the SWM-1.1 Sign Structure

A CWS snap frame shall be properly, safely, and securely mounted to the face of the SWM-1.1 sign structure with concealed vandal-resistant hardware. All mounting hardware and components shall be suitable for exterior use. The mounting hardware shall allow for removal of the mounted sign frame for maintenance, repairs, and updates. Coordinate the fabrication of the sign structure with the components to be mounted to the structure. See page E4.3 for additional information regarding mounting frames to the sign structure.

3 Wall Surface

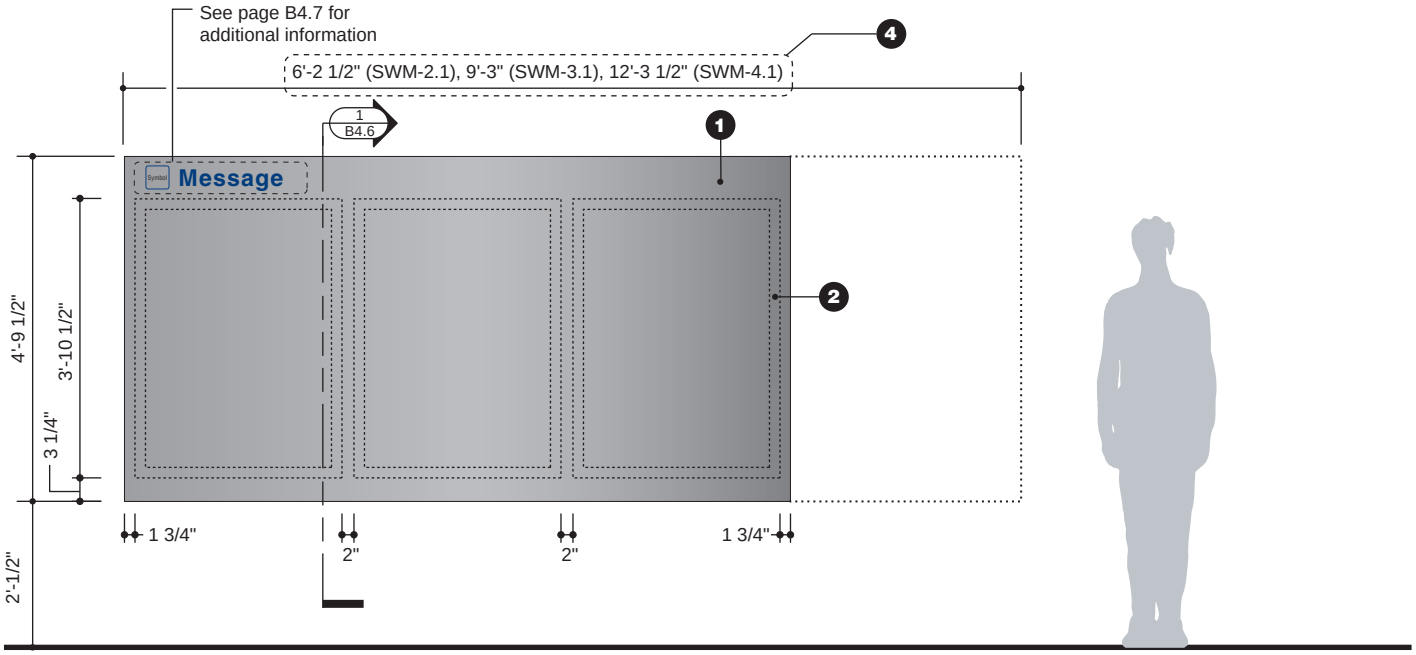
The SWM-1.1 sign structure shall be mounted to a variety of wall surfaces. Prior to fabrication, verify on site the existing wall materials, construction, and conditions. Verify if any additional structural elements, bracing, or other materials are needed to safely, properly, and securely mount the SWM-1.1 sign structure.

2 ***Plan View - SWM Sign Structure (SWM-3.1 Shown)***

Scale: 3/8" = 1'-0"

SECTION B4
Wall Mount Structures for Sign Cabinets / Frames

SWM Variable Width Sign Structure



1 ***Elevation - SWM Sign Structure (SWM-3.1 Shown)***

Scale: 3/8" = 1'-0"

Associated Frame Information:
The following frames can be mounted to the SWM Sign Structure:
CWS snap frames, see Section B2.

Description

General

The SWM sign structure is wall mounted and fabricated from stainless steel. Two or more CWS snap frames can be mounted to the SWM sign structure shown on this page. See page B4.4 for details of SWM structures that have one frame mounted.

1 *Stainless Steel Face and Returns*

The face and returns of the SWM sign structure shall be fabricated from stainless steel and shall have a horizontal brushed finish. The face and returns shall be rigid, smooth, and flat. The face shall be removable and shall be securely held in position by concealed, vandal-resistant hardware. No hardware shall be visible on the face of the SWM sign structure. The face of the SWM sign structure shall have minimal seams. Indicate the location of any seams on the Shop Drawings. Provide a partially or fully enclosed back for the SWM structure as needed when the structure will be installed at a location where the back of the structure is visible or accessible. The back shall be enclosed using the same material as the face and returns.

2 *Frames Mounted to the Face of the SWM Sign Structure*

CWS snap frames shall be properly, safely, and securely mounted to the face of the SWM sign structure with concealed vandal-resistant hardware. All mounting hardware and components shall be suitable for exterior use. The mounting hardware shall allow for removal of the mounted sign frames for maintenance, repairs, and updates. Coordinate the fabrication of the sign structure with the components to be mounted to the structure. See page E4.3 for additional information regarding mounting frames to the sign structure.

3 *Wall Surface*

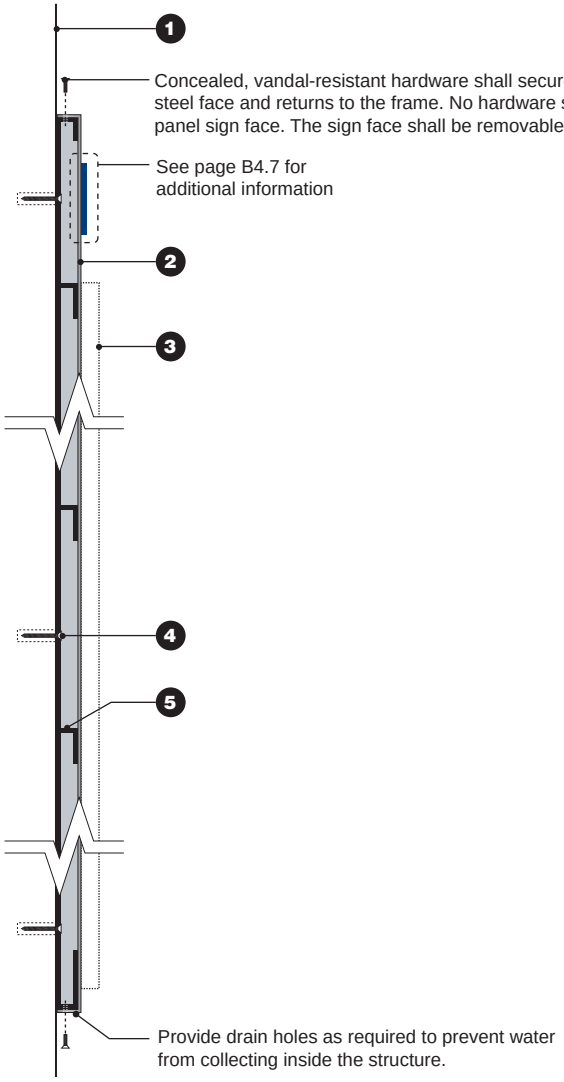
The SWM sign structure shall be mounted to a variety of wall surfaces. Prior to fabrication, verify on site the existing wall materials, construction, and conditions. Verify if any additional structural elements, bracing, or other materials are needed to properly, safely, and securely mount the SWM sign structure.

4 *SWM Width*

SWM sign structures that accommodate two or more CWS snap frames are available in three standard widths to accommodate two, three, or four snap frames on the structure. In the Message Schedule the Support Structure code indicates the number of frames to be mounted to the SWM sign structure. See Section A3 for details regarding the codes. The snap frames shall be positioned and spaced on the sign structure as shown.

SECTION B4
Wall Mount Structures for Sign Frames / Cabinets

SWM Sign Structure Section



1 Section - SWM Sign Structure
Scale: 1 1/2" = 1'-0"

Description

General

The SWM sign structures are wall mounted and fabricated from stainless steel. CWS snap frames can be mounted to the faces of the SWM sign structures.

1 Wall Surface

The SWM sign structures shall be mounted to a variety of wall surfaces. Prior to fabrication, verify on site the existing wall materials, construction, and conditions. Verify if any additional structural elements, bracing, or other materials may be needed to properly, safely, and securely mount the SWM sign structures.

2 Stainless Steel Face and Returns

The faces and returns of the SWM sign structures shall be fabricated from stainless steel.

3 Frames Mounted to the Face of the SWM Sign Structure

CWS snap frames shall be safely, properly, and securely mounted to the face of the SWM sign structure. All mounting hardware and components shall be suitable for exterior use. The mounting hardware shall allow for removal of the mounted sign frames for maintenance, repairs, and updates. See page E1.4 for additional information regarding mounting frames to the sign structure.

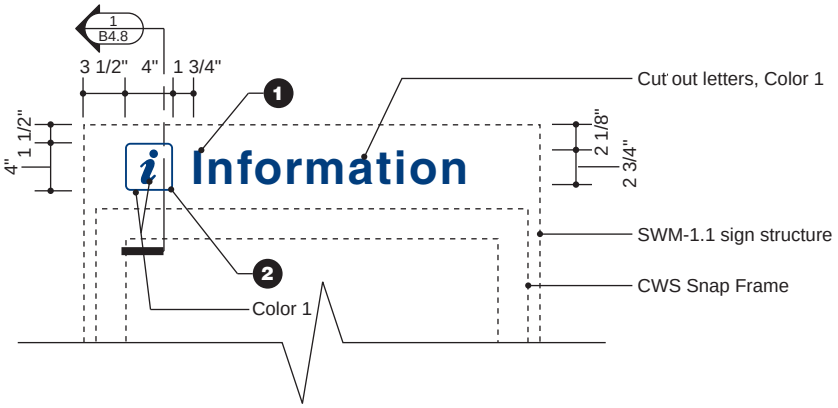
4 Concealed Wall Mounting

Provide all mounting hardware and materials as needed to safely, properly, and securely mount the SWM sign structures to various wall surfaces. In addition to the SWM sign structures and the required mounting hardware, provide any additional structural elements, bracing, or other materials that may be needed to properly, safely, and securely support the sign structures and all the sign components mounted to the sign structures. All mounting hardware and components shall be vandal-resistant and suitable for exterior use. Mounting hardware shall not be visible.

5 Concealed Internal Framing

Provide internal framing and bracing as needed for the SWM sign structures to be rigid and structurally sound and for the SWM sign structures to be properly, safely, and securely mounted to various wall surfaces. The internal framing shall also properly, safely, and securely support any sign components which are mounted to the SWM sign structures.

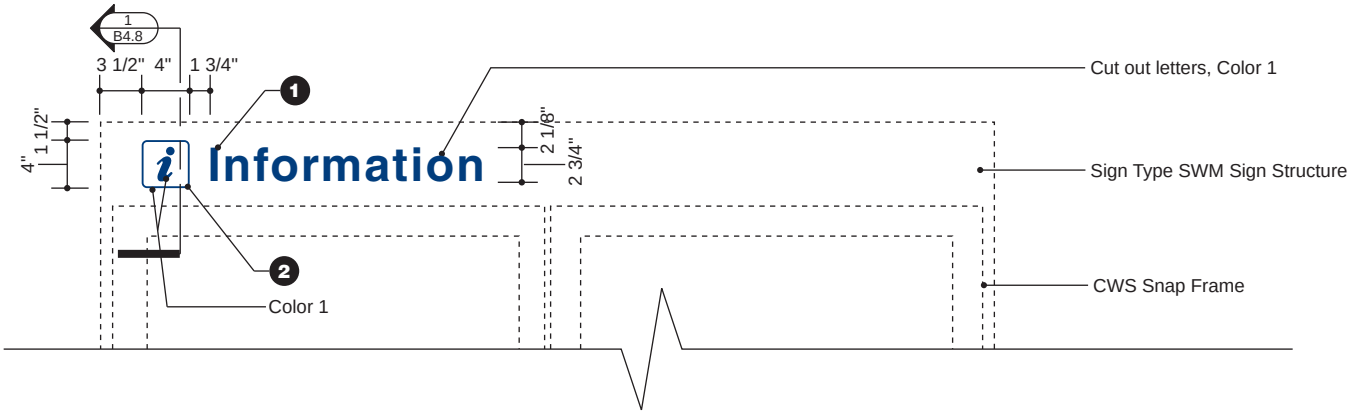
Cut Out Letters Elevation



Associated Sign Structures:
SWM-1.1, see page B4.4 for additional information.
SWM Variable Width, see page B4.5 for additional information.

1 Detail Elevation - Cut Out Letters on SWM-1.1 Sign Structure

Scale: 3/4" = 1'-0"



2 Detail Elevation - Cut Out Letters on SWM Sign Structure with more than one frame

Scale: 3/4" = 1'-0"

Description

General

SWM sign structures include cut out acrylic letters and a milled acrylic symbol panel with a stainless steel insert attached directly to the structure.

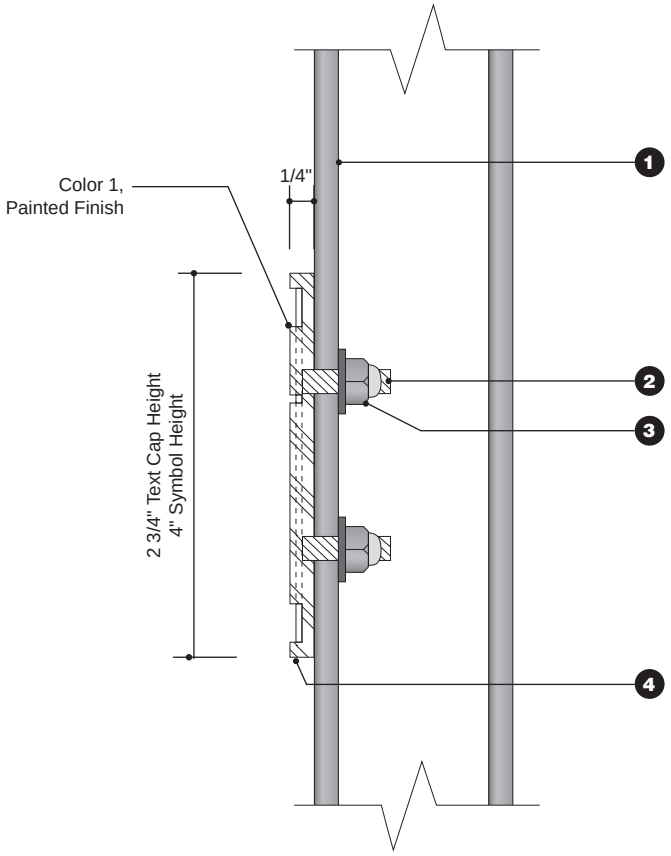
1 Cut Out Letters

1/4" thick letters water jet cut from acrylic. Letters shall have a painted finish.

Letters shall be permanently pin mounted to the sign structure.

2 Milled Acrylic Symbol Panel With Stainless Steel Insert

1/4" thick milled acrylic symbol panel with 1/8" thick raised symbol and border. The acrylic panel shall have painted finish (all surfaces) and shall be permanently pin mounted to the sign structure. Symbol background shall be a cut-out 16 gauge stainless steel insert with a horizontal brushed finish. Stainless steel shall be precisely cut-out to fit within the acrylic panel and around the raised symbol.



1 ***Detail Section - Cut Out Letters Mounted to SWM Sign Structures***

Scale: 1/2" = 1"

Associated Sign Structures:
SWM-1.1, see page B4.4 for additional information.
SWM Variable Width, see page B4.5 for additional information.

Description

General

Each SWM sign structure includes cut out acrylic letters and a milled acrylic symbol panel with a stainless steel insert attached directly to the structure.

1 SWM Sign Structure

Coordinate the construction of the SWM sign structure so that the pin mounted cut out letters and milled acrylic symbol panel can be properly, safely, securely, and permanently mounted to the face of the structure.

2 Stainless Steel Mounting Pins

Provide threaded stainless steel mounting pins as needed to properly, safely, securely, and permanently mount the cut out letters and milled acrylic symbol panel. Coordinate the quantity, size, and length of the pins with the size and weight of the letters and symbol panel and the construction of SWM sign structure. Properly, safely, securely, and permanently secure the pins to the backs of the letters and symbol panel.

3 Stainless Steel Lock Nuts

Provide the appropriate stainless steel lock nuts as needed to work with the mounting pins to properly, safely, securely, and permanently secure the cut out letters and milled acrylic symbol panel. Add silicone adhesive to the end of the mounting pins to lock the nuts in position.

4 Letters and Milled Acrylic Symbol Panel with Stainless Steel Insert

1/4" thick water jet cut acrylic letters and 1/4" thick milled acrylic symbol panel with cut-out 16 gauge stainless steel insert.