

VERMONT AGENCY OF TRANSPORTATION	ORIGINAL POLICY ADOPTED N/A	ORIGINAL POLICY IDENTIFIER None
POLICY MANUAL	EFFECTIVE DATE 5/07/2018	IDENTIFIER 3021
	RESPONSIBLE SECTION HD	SUPERSEDES N/A
SUBJECT: Signs for EV Charging Stations	SCREEN/PAGE 1 OF 1	

STATUTORY REFERENCE/OTHER AUTHORITY: MUTCD

APPROVAL DATE: May 5, 2018

APPROVED BY: Joe Flynn, Secretary of Transportation

PURPOSE/COMMENT: Policy for the Installation of General Service and Directional Signs for Electric Vehicle Charging Stations

POLICY STATEMENT:

This policy supersedes all prior policies and guidelines on this subject.

Introduction

Electric vehicle supply equipment (EVSE) sites for plug-in electric vehicles (EVs) are also known as “electric vehicle charging stations” or “EV charging stations.” As EV charging stations become widespread and internet apps provide specific charging station site location information, directional (or wayfinding) signs to EV charging stations will become less essential. In the meantime, while the EV charging station network is being built out, VTrans will provide EV charging station signage as provided by this policy.

Signs VTrans Installed Under Prior Policies or Guidelines

VTrans will retain the EV charging station directional signs that VTrans installed under prior policies or guidelines until these signs are no longer serviceable or the location indicated is no longer a qualifying EV charging station site.

Qualifying EV Charging Station Sites

A qualifying EV charging station site shall be available to the public 24 hours per day, 7 days per week. Level 2 charge ports must be equipped with Level 2 J1772 EV plugs. DC fast charging ports must be equipped with CHAdeMO and SAE Combo CCS connectors. The owner of the property on which the EV charging station is sited must indicate the location of the EV charging station within the property’s parking facility using the electric vehicle charging symbol at the EVSE parking space(s) (below). Site owners must install on-site EV charging station directional signs (below) if the charging station is not clearly visible from the parking-facility access from the public highway.

VTrans, in its sole discretion, may disqualify an EV charging station site based on the safety and convenience of the traveling public or other considerations that VTrans deems appropriate.

Limited Access Highways

VTrans will provide general service charging station signing and subsequent directional signs (below) to the nearest qualifying Level 2 or DC Fast charging site located within 3 driving miles in each direction from any interchange of an interstate or other limited access highway.

VTrans will not install general service or directional signing in its rights of way before the charging station is operational and available for public use and on-site and municipal-highway signing clearly directs drivers to the charging station.

VTrans will install directional signs on the interchange off-ramps and on state highways and will provide the necessary EV charging station signs (including arrow and charging-level plaques) to cooperating municipalities that agree to install and maintain these signs on municipal highways to complete the wayfinding from interchanges. VTrans will not provide municipalities or other non-state site owners with on-site signage.

VTrans will work through the Regional Planning Commissions and Drive Electric Vermont to secure the cooperation of municipalities and EV charging station site owners.

Driveways Intersecting with State Highways

Upon request by a public or private owner of a qualifying Level 2 or DC Fast EV charging station site that is not covered by the limited access highway provisions of this policy but that is adjacent to and conveniently accessible from a state highway, and for additional sites meeting this description that VTrans identifies of its own accord, VTrans will install an EV charging station directional sign in its highway right of way in each direction near the driveway entrance to the EV charging station site.

VTrans will not install directional signs to locations not owned or operated by the State that offer only Level 1 EV charging capability. Nor will VTrans install EV charging station directional signs in rights of way not owned or controlled by the State or provide signage for this purpose.

State-Owned or -Controlled EV Charging Stations

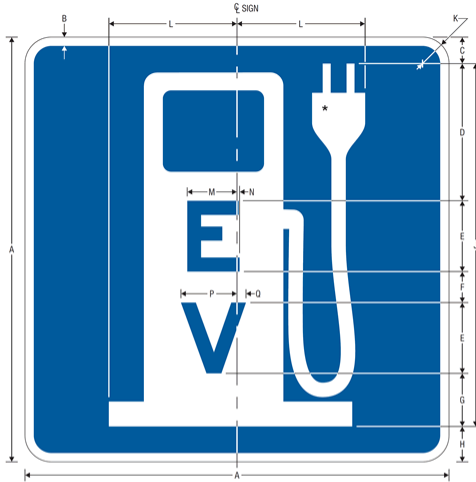
VTrans will install an EV charging station directional sign in its highway right of way in each direction near the driveway entrance to a Level 1, Level 2, or DC Fast EV charging station site that VTrans owns or controls which is available to the public. In addition, VTrans will install an EV charging station sign at the location of the EV charging station and on-site directional signs as may be appropriate.

EV Charging Station Sign Specifications

All general service and directional charging station signs that VTrans installs in its own rights of way or on property that VTrans owns or controls or that cooperating municipalities or other non-state property owners install shall indicate the charging level of the EV charging station (Level 1, Level 2, or DC Fast) and conform with the specifications below. Where more than one level of charging is available, the sign shall indicate the highest level available. All directional signs shall include a directional arrow.

Electric Vehicle Charging Symbol:

D9-11b (Alternate)
Issued 4/1/2011



D9-11b (Alternate)
Electric Vehicle Charging (Alternate Symbol)

A	B	C	D	E	F	G	H	J	K	L	M
24	0.5	1.5	7.75	4 E(m)	1.75	3	2	20.5	1.5	7.25	2.814
30	0.75	1.875	9.625	5 E(m)	2	4	2.5	25.625	1.875	9.063	3.518

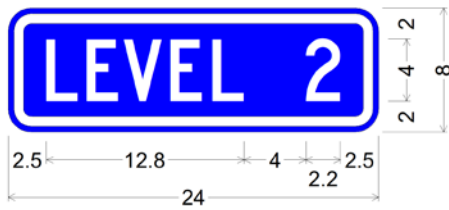
N	P	Q
0.148	3.174	0.507
0.185	3.968	0.635

* See page IA-132 for symbol design

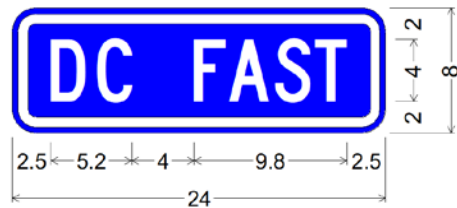
COLORS: LEGEND, BACKGROUND – BLUE (RETROREFLECTIVE)
SYMBOL, BORDER – WHITE (RETROREFLECTIVE)

IA-13-1

Charging Level supplemental plaque



1.5" Radius, 0.6" Border, 0.4" Indent, White on Blue;
"LEVEL 2" C 2K;



1.5" Radius, 0.6" Border, 0.4" Indent, White on Blue;
"DC FAST" C 2K;

Directional Arrow



M6-1

Interstate General Service Sign with EVSE symbol (charging level not added)



POLICY HISTORY

ORIGINAL POLICY ADOPTION DATE: 05/7/2018

REVISION NO:

EFFECTIVE DATE:

REASON:

REVISION NO:

EFFECTIVE DATE:

REASON:

REVISION NO:

EFFECTIVE DATE:

REASON:

REVISION NO:

EFFECTIVE DATE:

REASON: