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Symbol Origins

These symbols were originally created by the Homeland Security Working Group (HSWG) and are now being distributed through the FGDC. This is a port of Version 2.0 of the symbols, released by HSWG on July 14, 2004. Please see the FGDC web site for complete documentation on the origins, use and future of these symbol sets.

http://www.fgdc.gov/HSWG/

DDV Changes

Data Deja View (DDV) was not involved in the development of the original FGDC symbols. The HSWG Version 2.0 release consists of TTF files and instructions for manually creating symbols in ArcGIS. The latter provide single layer (transparent background) symbols only.

DDV has ported those symbols to ArcView 3.x and ArcGIS in one, two and three layer versions, believing that for many maps the two and three layered (colored) symbols will provide improved visibility.

In some instances minor changes have been made to the outer edges of the symbols to provide for narrow black surrounds (see ERS Alternatives 1 and 2). This should be helpful where the symbols are used on a crowded and colorful map background. The designs of the symbol icons and level/stage designators have not been changed.

The FGDC-distributed TTF files will not work with these palettes and styles, as DDV re-organized the original TTFs to facilitate programming.

Requesting Additional Symbols

Over the years that Data Deja View (DDV) has been producing marker symbols, there has been surprisingly little feedback or requests for additional symbols. If users of existing symbol sets have additional symbol needs, DDV would appreciate such feedback. Symbol design ideas would be most welcome. Where a group of symbols is needed, it would be helpful to include a description of the data field(s) the symbols would be applied to and/or other symbol categorizations required. If DDV feels the symbols would have a sufficient user base, the request will be added to the work queue.
Symbol Set Contents

Individivual Sets (each of these represent only a portion of the entire symbol set):

- Incidents - 48 Symbols
- Infrastructure Level 1 - 81 Symbols
- Infrastructure Level 2 - 81 Symbols
- Infrastructure Level 3 - 81 Symbols
- Infrastructure Level 4 - 81 Symbols
- Natural Events - 25 Symbols
- Operations Level 1 - 43 Symbols
- Operations Level 2 - 43 Symbols
- Operations Level 3 - 43 Symbols
- Operations Level 4 - 43 Symbols

Combined Sets (each of these includes all of the symbols in the FGDC sets):

- ERS Alternative-1 - 569 Symbols
- ERS Alternative-2 - 569 Symbols

REQUIRED FILES

In order to use these Palette and/or Style sets, install the font file(s) listed below. All symbols exist in single Palette and Style files.

INCIDENTS ONLY

<table>
<thead>
<tr>
<th>FONTS</th>
<th>PALETTE (ArcView 3.x)</th>
<th>STYLE (ArcGIS Desktop)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DDV0050B.TTF</td>
<td>ddv0050b-Incidents-V2.avp</td>
<td>ddv0050b ERS-V2 Incidents.Style</td>
</tr>
</tbody>
</table>
INFRASTRUCTURES STAGE 1 ONLY

FONTS (ArcView 3.x) PALETTE (ArcGIS Desktop) STYLE
DDV0051B.TTF ddv0051a-Infrastructures-Stage-01-V2.avp
ddv0051b ERS-V2 Infrastructures Stage 01.Style

INFRASTRUCTURES STAGE 2 ONLY

FONTS (ArcView 3.x) PALETTE (ArcGIS Desktop) STYLE
DDV0052B.TTF ddv0052b-Infrastructures-Stage-02-V2.avp
ddv0052b ERS-V2 Infrastructures Stage 02.Style

INFRASTRUCTURES STAGE 3 ONLY

FONTS (ArcView 3.x) PALETTE (ArcGIS Desktop) STYLE
DDV0053A.TTF ddv0053a-Infrastructures-Stage-03-V2.avp
ddv0053a Infrastructures Stage 03.Style
INFRASTRUCTURES STAGE 4 ONLY

FONTS
(ArcView 3.x)
DDV0054B.TTF

PALETTE
ddv0054b-Infrastructures-Stage-04-V2.avp

STYLE
ddv0054b ERS-V2 Infrastructures Stage 04.Style

NATURAL EVENTS ONLY

FONTS
(ArcView 3.x)
DDV0055B.TTF

PALETTE
ddv0055b-Natural-Events-V2.avp

STYLE
ddv0055b ERS-V2 Natural Events.Style

OPERATIONS STAGE 1 ONLY

FONTS
(ArcView 3.x)
DDV0056B.TTF

PALETTE
ddv0056b-Operations-Stage-01-V2.avp

STYLE
ddv0056b ERS-V2 Operations Stage 01.Style
OPERATIONS STAGE 2 ONLY

FONTS (ArcView 3.x) PALETTE (ArcGIS Desktop) STYLE
DDV0057B.TTF ddv0057b-Operations-Stage-02-V2.avp
ddv0057b ERS-V2 Operations Stage 02.Style

OPERATIONS STAGE 3 ONLY

FONTS (ArcView 3.x) PALETTE (ArcGIS Desktop) STYLE
DDV0058B.TTF ddv0058b-Operations-Stage-03-V2.avp
ddv0058b ERS-V2 Operations Stage 03.Style

OPERATIONS STAGE 4 ONLY

FONTS (ArcView 3.x) PALETTE (ArcGIS Desktop) STYLE
DDV0059B.TTF ddv0059b-Operations-Stage-04-V2.avp
ddv0059b ERS-V2 Operations Stage 04.Style
The following design variations were created by DDV to help the symbols stand out a little more against busy and colorful map layouts. The modification consists of adding a narrow black surround to the symbol. The surround is available in two different widths as illustrated below.

Also, the HSWG Version 2 of the Natural Event symbols changes these symbols to white on black. The black surrounds exist for these symbols too. For ArcGIS, this surround's color may be changed to help it stand out against a busy map background.
The two alternative symbol sets each contain the full range of symbols included and are illustrated below. The files required for these Alternatives are listed on the following page.

**DDV0060A ERS ALTERNATIVE-1**

<table>
<thead>
<tr>
<th>Incidents</th>
<th>Infrastructures</th>
<th>Natural Events</th>
<th>Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Incident Symbol" /></td>
<td><img src="image2.png" alt="Infrastructure Symbol" /></td>
<td><img src="image3.png" alt="Natural Event Symbol" /></td>
<td><img src="image4.png" alt="Level 1 Operations Symbol" /></td>
</tr>
<tr>
<td>Level 1</td>
<td>Level 1</td>
<td>Level 1</td>
<td>Level 1</td>
</tr>
<tr>
<td>Level 2</td>
<td>Level 2</td>
<td>Level 2</td>
<td>Level 2</td>
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<tr>
<td>Level 3</td>
<td>Level 3</td>
<td>Level 3</td>
<td>Level 3</td>
</tr>
<tr>
<td>Level 4</td>
<td>Level 4</td>
<td>Level 4</td>
<td>Level 4</td>
</tr>
</tbody>
</table>

**DDV0069A ERS ALTERNATIVE-2**

<table>
<thead>
<tr>
<th>Incidents</th>
<th>Infrastructures</th>
<th>Natural Events</th>
<th>Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image5.png" alt="Incident Symbol" /></td>
<td><img src="image6.png" alt="Infrastructure Symbol" /></td>
<td><img src="image7.png" alt="Natural Event Symbol" /></td>
<td><img src="image8.png" alt="Level 1 Operations Symbol" /></td>
</tr>
<tr>
<td>Level 1</td>
<td>Level 1</td>
<td>Level 1</td>
<td>Level 1</td>
</tr>
<tr>
<td>Level 2</td>
<td>Level 2</td>
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<td>Level 2</td>
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<tr>
<td>Level 3</td>
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<td>Level 3</td>
</tr>
<tr>
<td>Level 4</td>
<td>Level 4</td>
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</tr>
</tbody>
</table>
### DDV ERS Alternative-1

<table>
<thead>
<tr>
<th>FONTS</th>
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<th>STYLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DDV0060B.TTF</td>
<td>ddv0060b-ERS-V2-Alternative-1.avp</td>
<td>ddv0060b ERS-V2 Alternative-1.Style</td>
</tr>
<tr>
<td>DDV0061B.TTF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DDV0062B.TTF</td>
<td></td>
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</tr>
<tr>
<td>DDV0063B.TTF</td>
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<td></td>
</tr>
</tbody>
</table>

A complete symbol dump for ddv0069b ERS Alternative-1 appears on the following pages.

### DDV ERS Alternative-2

<table>
<thead>
<tr>
<th>FONTS</th>
<th>PALETTE</th>
<th>STYLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DDV0069B.TTF</td>
<td>ddv0069b-ERS-V2-Alternative-2.avp</td>
<td>ddv0069b ERS-V2 Alternative-2.Style</td>
</tr>
<tr>
<td>DDV0070B.TTF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DDV0071B.TTF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DDV0072B.TTF</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Civil Disturbance  Chemical Agents  Marine Hijacking
Civil Demonstration  Corrosive Material  Rail Incident
Civil Displaced Population  Hazardous When Wet  Rail Accident
Civil Rioting  Explosive  Rail Hijacking
Criminal Activity  Flammable Gas  Vehicle Accident
Bomb Threat  Flammable Liquid  Vehicle Hijacking
Bomb  Flammable Solid  S1 Agriculture and Food
Bomb Explosion  Non-Flammable Gas  S1 Agricultural Laboratories
Looting  Organic Peroxides  S1 Animal Feedlots
Poisoning  Oxidizers  S1 Commercial Food Distribution Center
Shooting  Radioactive Material  S1 Farms Ranches
Fire  Spontaneously Combustible  S1 Food Production Center
Hot Spot  Toxic Gas  S1 Food Retail
Non-Residential Fire  Toxic and Infectious  S1 Grain Storage
Fire Origin  Unexploded Ordinance  S1 Banking Finance and Insurance
Residential Fire  Air Incident  S1 ATMs
School Fire  Air Accident  S1 Banks
Smoke  Air Hijacking  S1 Bullion Storage
Special Needs Fire  Marine Threat  S1 Federal Reserve Banks
Wild Fire  Marine Incident  S1 Financial Exchanges
Hazardous Material  Marine Accident  S1 Financial Services - Other
ddv0069b ERS-V2 Alternative-2 Marker Style Dump

- S1 Commercial
- S1 Chemical Plant
- S1 Firearm Manufacturers
- S1 Firearm Retailers
- S1 Hazardous Material Production
- S1 Hazardous Material Storage
- S1 Industrial Site
- S1 Landfill
- S1 Pharmaceutical Manufacturer
- S1 Superfund Sites NPL
- S1 Toxic Release Inventory
- S1 Educational Facilities Infrastructure
- S1 College University
- S1 Schools
- S1 Energy Facilities Infrastructure
- S1 Generation Stations
- S1 Natural Gas Facilities
- S1 Nuclear Facilities
- S1 Petroleum Facilities
- S1 Propane Facilities
- S1 Government Site Infrastructure
- S1 Military Infrastructure
- S1 Military Armory
- S1 Military Base
- S1 Postal Service Infrastructure
- S1 Postal Distribution Center
- S1 Post Office
- S1 Public Venues Infrastructure
- S1 Enclosed Facility
- S1 Open Facility
- S1 Recreational Facility
- S1 Religious Institution
- S1 Special Needs Infrastructure
- S1 Adult Day Care
- S1 Child Day Care
- S1 Elder Care
- S1 Telecommunications Infrastructure
- S1 Telecommunications Facility
- S1 Telecommunications Tower
- S1 Transportation Infrastructure
- S1 Air Traffic Control Facility
- S1 Airport
- S1 Bridge
- S1 Bus Station
- S1 Ferry Terminal
- S1 Helicopter Landing Site
- S1 Lock
- S1 Maintenance Facility
- S1 Port
- S1 Rail Station
- S1 Rest Stop
- S1 Ship Anchorage
- S1 Toll Facility
- S1 Traffic Control Point
- S1 Traffic Inspection Facility
- S1 Tunnel
- S1 Water Supply Infrastructure
- S1 Critical Valves
- S1 Dam
- S1 Discharge Outfall
- S1 Ground Well
- S1 Pumping Station
- S1 Reservoir
ddv0069b ERS-V2 Alternative-2 Marker Style Dump

- S1 Storage Tower
- S1 Surface Water Intake
- S1 Water Treatment Facility
- S2 Agriculture and Food
- S2 Agricultural Laboratories
- S2 Animal Feedlots
- S2 Commercial Food Distribution Center
- S2 Farms Ranches
- S2 Food Production Center
- S2 Food Retail
- S2 Grain Storage
- S2 Banking Finance and Insurance
- S2 ATMs
- S2 Banks
- S2 Bullion Storage
- S2 Federal Reserve Banks
- S2 Financial Exchanges
- S2 Financial Services - Other
- S2 Commercial
- S2 Chemical Plant
- S2 Firearm Manufacturers
- S2 Firearm Retailers
- S2 Hazardous Material Production
- S2 Hazardous Material Storage
- S2 Industrial Site
- S2 Landfill
- S2 Pharmaceutical Manufacturer
- S2 Superfund Sites NPL
- S2 Toxic Release Inventory
- S2 Educational Facilities Infrastructure
- S2 College University
- S2 School
- S2 Energy Facilities Infrastructure
- S2 Natural Gas Facilities
- S2 Nuclear Facilities
- S2 Petrochemical Facilities
- S2 Propane Facilities
- S2 Government Site Infrastructure
- S2 Air Traffic Control Facility
- S2 Military Infrastructure
- S2 Military Armory
- S2 Military Base
- S2 Postal Service Infrastructure
- S2 Postal Distribution Center
- S2 Post Office
- S2 Public Venues Infrastructure
- S2 Enclosed Facility
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- S2 Recreational Facility
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- S2 Special Needs Infrastructure
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- S2 Child Day Care
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S3 Telecommunications Tower
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S3 Port
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S3 Critical Valves
S3 Dam
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S3 Ground Well
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S3 Water Treatment Facility
S3 Port
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S3 Rest Stop
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S3 Toll Facility
S3 Traffic Control Point
S3 Traffic Inspection Facility
S3 Tunnel
S3 Water Supply Infrastructure
S3 Critical Valves
S3 Dam
S3 Discharge Outfall
S3 Ground Well
S3 Pumping Station
S3 Reservoir
S3 Storage Tower
S3 Surface Water Intake
S3 Water Treatment Facility
S4 Commercial Food Distribution Center
S4 Farms Ranches
S4 Food Production Center
S4 Food Retail
S4 Grain Storage
S4 Banking Finance and Insurance
S4 ATMs
S4 Banks
S4 Bullion Storage
S4 Federal Reserve Banks
S4 Financial Exchanges
S4 Financial Services - Other
S4 Commercial
S4 Chemical Plant
S4 Firearm Manufacturers
S4 Firearm Retailers
S4 Hazardous Material Production
S4 Hazardous Material Storage
S4 Industrial Site
S4 Landfill
S4 Pharmaceutical Manufacturer
S4 Agriculture and Food
S4 Agricultural Laboratories
S4 Animal Feedlots
<table>
<thead>
<tr>
<th>Category</th>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superfund Sites NPL</td>
<td>![Icon]</td>
<td>S4 Ship Anchorage</td>
</tr>
<tr>
<td>Toxic Release Inventory</td>
<td>![Icon]</td>
<td>S4 Toll Facility</td>
</tr>
<tr>
<td>Educational Facilities Infrastructure</td>
<td>![Icon]</td>
<td>S4 Special Needs Infrastructure</td>
</tr>
<tr>
<td>College University</td>
<td>![Icon]</td>
<td>S4 Traffic Control Point</td>
</tr>
<tr>
<td>Schools</td>
<td>![Icon]</td>
<td>S4 Traffic Inspection Facility</td>
</tr>
<tr>
<td>Energy Facilities Infrastructure</td>
<td>![Icon]</td>
<td>S4 Adult Day Care</td>
</tr>
<tr>
<td>Generation Stations</td>
<td>![Icon]</td>
<td>S4 Child Day Care</td>
</tr>
<tr>
<td>Natural Gas Facilities</td>
<td>![Icon]</td>
<td>S4 Tunnel</td>
</tr>
<tr>
<td>Nuclear Facilities</td>
<td>![Icon]</td>
<td>S4 Water Supply Infrastructure</td>
</tr>
<tr>
<td>Petroleum Facilities</td>
<td>![Icon]</td>
<td>S4 Elder Care</td>
</tr>
<tr>
<td>Propane Facilities</td>
<td>![Icon]</td>
<td>S4 Telecommunications Infrastructure</td>
</tr>
<tr>
<td>Government Site Infrastructure</td>
<td>![Icon]</td>
<td>S4 Telecommunications Facility</td>
</tr>
<tr>
<td>Military Infrastructure</td>
<td>![Icon]</td>
<td>S4 Discharge Outfall</td>
</tr>
<tr>
<td>Military Armory</td>
<td>![Icon]</td>
<td>S4 Transportation Infrastructure</td>
</tr>
<tr>
<td>Military Base</td>
<td>![Icon]</td>
<td>S4 Ground Well</td>
</tr>
<tr>
<td>Postal Service Infrastructure</td>
<td>![Icon]</td>
<td>S4 Air Traffic Control Facility</td>
</tr>
<tr>
<td>Government Site Infrastructure</td>
<td>![Icon]</td>
<td>S4 Pumping Station</td>
</tr>
<tr>
<td>Rail Station</td>
<td>![Icon]</td>
<td>S4 Critical Valves</td>
</tr>
<tr>
<td>Air Traffic Control Facility</td>
<td>![Icon]</td>
<td>S4 Reservoir</td>
</tr>
<tr>
<td>Bridge</td>
<td>![Icon]</td>
<td>S4 Storage Tower</td>
</tr>
<tr>
<td>Bus Station</td>
<td>![Icon]</td>
<td>S4 Surface Water Intake</td>
</tr>
<tr>
<td>Ferry Terminal</td>
<td>![Icon]</td>
<td>S4 Water Treatment Facility</td>
</tr>
<tr>
<td>Postal Service Infrastructure</td>
<td>![Icon]</td>
<td></td>
</tr>
<tr>
<td>Postal Distribution Center</td>
<td>![Icon]</td>
<td></td>
</tr>
<tr>
<td>Post Office</td>
<td>![Icon]</td>
<td></td>
</tr>
<tr>
<td>Public Venues Infrastructure</td>
<td>![Icon]</td>
<td></td>
</tr>
<tr>
<td>Enclosed Facility</td>
<td>![Icon]</td>
<td></td>
</tr>
<tr>
<td>Open Facility</td>
<td>![Icon]</td>
<td></td>
</tr>
<tr>
<td>S2 Emergency Medical Operation</td>
<td>S2 Fire Suppression Operation</td>
<td>S2 Nuclear Sensor</td>
</tr>
<tr>
<td>S2 EMT Station Locations</td>
<td>S2 Fire Hydrant</td>
<td>S2 Radiological Sensor</td>
</tr>
<tr>
<td>S2 Ambulance</td>
<td>S2 Other Water Supply Location</td>
<td>S3 Emergency Medical Operation</td>
</tr>
<tr>
<td>S2 Medical Evacuation Helicopter Station</td>
<td>S2 Fire Station</td>
<td>S3 EMT Station Locations</td>
</tr>
<tr>
<td>S2 Health Department Facility</td>
<td>S2 Law Enforcement Operation</td>
<td>S3 Ambulance</td>
</tr>
<tr>
<td>S2 Hospital</td>
<td>ATF</td>
<td>S3 Medical Evacuation Helicopter Station</td>
</tr>
<tr>
<td>S2 Hospital Ship</td>
<td>S2 Border Patrol</td>
<td>S3 Health Department Facility</td>
</tr>
<tr>
<td>S2 Medical Facilities Out Patient</td>
<td>S2 Customs Service</td>
<td>S3 Hospital</td>
</tr>
<tr>
<td>S2 Morgue</td>
<td>DEA</td>
<td>S3 Hospital Ship</td>
</tr>
<tr>
<td>S2 Pharmacies</td>
<td>S2 DOJ</td>
<td>S3 Medical Facilities Out Patient</td>
</tr>
<tr>
<td>S2 Triage</td>
<td>FBI</td>
<td>S3 Morgue</td>
</tr>
<tr>
<td>S2 Emergency Operation</td>
<td>S2 Police</td>
<td>S3 Pharmacies</td>
</tr>
<tr>
<td>S2 Emergency Collection Evacuation Point</td>
<td>S2 Prison</td>
<td>S3 Triage</td>
</tr>
<tr>
<td>S2 Emergency Incident Command Center</td>
<td>S2 Secret Service</td>
<td>S3 Emergency Operation</td>
</tr>
<tr>
<td>S2 Emergency Operations Center</td>
<td>TSA</td>
<td>S3 Emergency Collection Evacuation Point</td>
</tr>
<tr>
<td>S2 Emergency Public Information Center</td>
<td>S2 US Coast Guard</td>
<td>S3 Emergency Incident Command Center</td>
</tr>
<tr>
<td>S2 Emergency Shelters</td>
<td>S2 US Marshalls Service</td>
<td>S3 Emergency Operations Center</td>
</tr>
<tr>
<td>S2 Emergency Staging Areas</td>
<td>S2 Sensor Operation</td>
<td>S3 Emergency Public Information Center</td>
</tr>
<tr>
<td>S2 Emergency Teams</td>
<td>S2 Biological Sensor</td>
<td>S3 Emergency Shelters</td>
</tr>
<tr>
<td>S2 Emergency Water Distribution Center</td>
<td>S2 Chemical Sensor</td>
<td>S3 Emergency Staging Areas</td>
</tr>
<tr>
<td>S2 Emergency Food Distribution Centers</td>
<td>S2 Intrusion Sensor</td>
<td>S3 Emergency Teams</td>
</tr>
</tbody>
</table>
ArcView 3.x INSTALLATION INSTRUCTIONS

NOTE: These instructions assume you temporarily saved the WinZip file in your C:\TEMP directory and unzipped the files in that location. Substitute paths as appropriate to your system and file names according to the file set you received. Instructions assume a WIN 95, WIN 2000 or NT 4.0 installation (action with WIN XP should be similar). C:\TEMP should now contain the following:

After extraction there will be three classes of files:

TRUE TYPE FONTS: DDVxxxxx.TTF  Marker sets will always have at least one font and may have thirty or more. (e.g.: DDVCA01D.TTF, DDVMAP1B.TTF).

ARCVIEW PALETTES: DDVxxxxx.AVP  Marker sets will have four or more palettes.

XXinstall.DOC (or possibly .HTM or .PDF) – these instructions.

Note that \.....\ refers to the path where ArcView as installed. For example "D:\ESRI\AV_GIS31\ARCVIEW"

WINTEL PLATFORM

IMPORTANT: Make sure that ArcView is CLOSED before installing the fonts. Once Arcview is open, it doesn't recognize any newly loaded fonts until it is closed and then opened again. This may seem basic, but it has been the "gotcha" for lot of people.

STEP 1  INSTALL THE FONT - Navigate as follows:

Start -> Settings -> Control Panel -> Fonts -> File -> Install New Font

When prompted navigate to C:\TEMP and the names of the true type font(s) should appear. Select DDVxxxx (True Type). Also select the any other fonts included in this set of symbols. Press OK.

STEP 2  INSTALL THE PALETTE - Using Explorer or File Manager copy DDVxxxxx.AVP to \.....\SYMBOLS.

STEP 3  LOAD PALETTE(S) - Now its okay to open ArcView. Load the palettes:

Window menu -> Show Symbol Window -> Palette Manager -> Load

This will invoke the Load Palette dialog. Navigate to \.....\SYMBOLS and select DDVxxxxx.AVP. Don't worry if the load takes somewhat longer than for other palettes; that's normal.

The DDVxxxx symbols should now appear under Markers after any already loaded marker sets.

STEP 4  Use them ! ... and hopefully produce your Layouts a little more quickly.

NOTE: If you have installation problems, please refer to the Troubleshooting section below.
Data Deja View has only tested markers on one UNIX platform.  The good news is that the markers installed successfully.  The bad news is that UNIX ArcView does not put together composite markers the same way as WinTel ArcView.  Some layer misalignments may be so severe that the marker is not useable.  Markers with all color layers about the same size don't seem to exhibit this problem and appear to be useable.

With DDV series Ila shield designs, users may now see a decrease in UNIX alignment problems.

IMPORTANT:  Make sure that ArcView is CLOSED before installing the fonts.  Once Arcview is open, it doesn't recognize any newly loaded fonts until it is closed and then opened again.  This may seem basic, but it has been the "gotcha" for lot of people.

And as with all UNIX systems "Don't forget your permissions!"

STEP 1 - Copy all the fonts to the font directory under ArcView.  In the system tested by DDV this directory path was:
/usr/esri/arcview3/fonts

STEP 2 - Copy all the palettes to the symbols directory under ArcView.  In the tested system this directory path was:
/usr/esri/arcview3/symbols

STEP 3 - Edit the "font.ndx" file to add entries for the new fonts.  In the tested system the path to this directory was:
/usr/esri/arcview3/etc/font.ndx

Sample entries used for two DDV fonts are as follows:

TRUETYPE 990004 $AVHOME/fonts/ddvhazib.ttf 990004
TRUETYPE ddvhazib
NAME    = ddvhazib
FAMILY  = ddvhazib
STYLE   = Normal

TRUETYPE 990005 $AVHOME/fonts/ddvvt01c.ttf 990005
TRUETYPE ddvvt01c
NAME    = ddvvt01c
FAMILY  = ddvvt01c
STYLE   = Normal

STEP 4 - Open up ArcView and hopefully enjoy (at least some) of these custom symbols.

NOTE: Some UNIX flavors may need additional coaxing and coddling.  See your (hopefully friendly and available) UNIX administrators.
ArcGIS Desktop INSTALLATION INSTRUCTIONS

After extraction there will be three classes of files:

TRUE TYPE FONTS: DDVxxxxx.TTF  Marker sets will always have at least one font and may have thirty or more. (e.g.: DDVCA01D.TTF, DDVMAP1B.TTF).

STYLESETS: DDVxxxxx.Style  Marker sets will have four or more style files.

XXinstall.DOC (or possibly .HTM or .PDF) – these instructions.

WINTEL PLATFORM ONLY

IMPORTANT: Make sure that ArcGIS Desktop is CLOSED before installing the fonts. Once ArcGIS is open, it may not recognize newly loaded fonts until it is closed and then opened again.

STEP 1 INSTALL THE FONT(S) – ESRI font installation instructions indicate that ArcGIS will recognize all fonts placed in the system font folder (typically C:\WINNT\FONTS). Data Deja View has successfully used fonts placed elsewhere by installing them with Adobe Type Manager (ATM).

STEP 2 INSTALL THE STYLE(S) – The .Style files may be placed in any directory (folder).

STEP 3 LOAD STYLE(S) - Open ArcMap and navigate as follows to load styles.

Tools menu -> Styles -> Style Manager

This will invoke the Style Manager window. In the upper right corner, click on the Styles button. From the drop down menu that appears, choose Add (near the bottom of the drop down). An Open dialog box appears. Use it to navigate to the directory where you placed the style files. Select the desired style and click on the Open button. The Style will now appear in the left hand window of the Style Manager, indicating that it is active in this ArcMAP session.

NOTE: If you have installation problems, please refer to the Troubleshooting section below.
Troubleshooting:

Problems With Initial Installation: People frequently experience problems with font installation for ArcView 3.x and ArcGIS Desktop. This occurs with ESRI fonts, Data Deja View (DDV) fonts and other custom fonts and has been experienced in Win 95, Win 98, Win NT and Win2000. DDV fully expects to see the problem continue in Win XP. It is evidenced by alphanumeric and special character symbols appearing instead of the expected marker symbols (see examples below). In most cases the appearance of these “weird” characters is due to a failure of the Windows operating system to properly register the font(s).

Typical Appearance of Marker Symbols When Font Installation Problems Occur

ArcGIS Desktop Style Manager

First Line of Troubleshooting: Make sure that ArcGIS Desktop and ArcView 3.x are closed. Then open up the Control Panel's Fonts folder and look to see if the fonts show up.

Start --> Control Panel --> Fonts

On slower machines you may sometimes notice that the fonts aren’t there, but that the screen repaints and the missing fonts suddenly appear. Most of the time that this occurs, the fonts are now properly registered. However, on fast machines you probably won’t have a chance to see whether they are there or not before the repaint is completed.

If the fonts (TTF files) are not there, try installing them using the Font folder's Install New Fonts option:

Fonts → File → Install New Fonts

If the fonts are there (or you are not sure whether they only appeared after a screen repaint), select and delete the font(s) and then install them again from the Font folder.

Now open up ArcView 3.x and/or ArcGIS 8.x and try loading the palette or style again. Chances are that things will now work properly.
Second Line of Troubleshooting: Check that you have the proper fonts for the palette/style series you are trying to use (refer to the lists included in this document). The font and palette versions must match. If you have only the fonts from an old marker set version installed and try to load the palette from a new version, the “weird” characters will show up (and vice versa).

E.g., installing DDVWY01B.TTF, DDVWY02B.TTF and DDVWY03B.TTF and then loading palette DDVWY01C.AVP won’t work because they were generated from different updates and the palette is hard coded with the names of the fonts it expects to use.

Third Line of Troubleshooting: If there is another computer available to you with the appropriate software on it, try installing the fonts on that machine and see if the palette/style will load successfully there. If so, contact your system administrator or IT department for assistance. There is likely an operating system problem.

If You Still Can’t Get Things to Work: Make note of what happened in the above troubleshooting steps and contact DDV, including this information. We will attempt to address any problems resulting from our end. In doing this we may ask you to send the fonts and palettes/styles that won’t install back to DDV for analysis.

Other Troubleshooting Help: The ESRI online discussion groups, ArcView-L and ESRI-L have from time to time covered this topic and occasionally have found different causes and solutions. Please try looking back at older postings and/or in the archives before posting your own message. Seeing the same questions posted repeatedly does get rather old quickly.

The Magic Approach: Some time ago ESRI technical support indicated that some people were supposedly able to cure the problem by opening file manager or explorer and dragging the fonts to another directory and then immediately dragging them back again. (It’s likely they were working with all fonts installed in the WINNT/FONTS directory or its equivalent in another Windows OS.) If you try this it might help to put a black cat on top of the monitor (then again it might not).

Markers Stop Working Properly: If marker sets that used to load successfully suddenly start to show up as “weird” characters, the font has somehow been deleted or lost registration on the system. Follow the above steps to correct the problem.

Avoiding Font Problems: If you start having problems with font installation, DDV recommends the use of Adobe Type Manager (ATM). This software is relatively inexpensive and has cured a number of font related problems at this site. Since starting to use ATM the only times that initial font registration problems have occurred here are when fonts failed to register properly when installed as part of a software installation (i.e.; the fonts were loaded by the software, not through ATM).

ATM also cured interminable repainting of all on-screen icons and associated slow downs or hang-ups when the system already had a large number of fonts installed and Control Panel’s font manager was used to install additional fonts.

DDV is not aware of anyone who has had font install problems while using ATM, but would appreciate hearing the circumstances surrounding any failures with its use.