DDV

# USER MANUAL
for the
# Emergency Response System
# Symbology - Version 2.0
Ported from FGDC Created Symbols

## Table of Contents

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**EMERGENCY RESPONSE SYSTEM SYMBOL SET**
**Ported from the FGDC Sets**
**For ArcView 3.x and ArcGIS Desktop**

**Version "2" Ported 09/20/04**

### 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
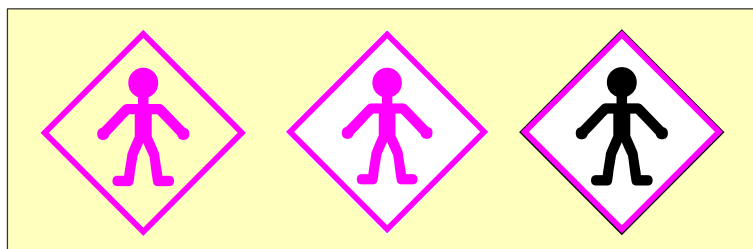Operations Level 4      - 43 Symbols
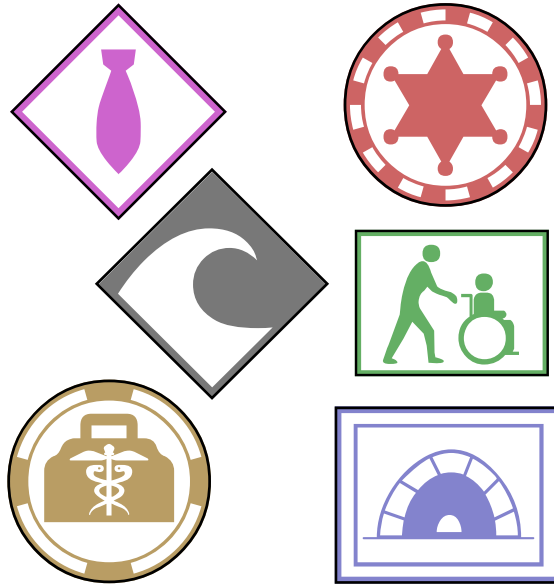

Combined Sets (each of these includes all of the symbols in the FGDC sets):

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.
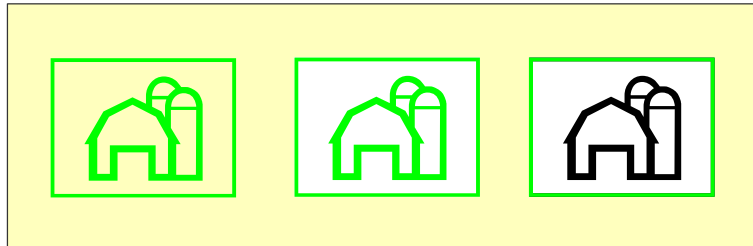

**INCIDENTS ONLY**

| FONTS | PALETTE (ArcView 3.x) | STYLE (ArcGIS Desktop) |
|---|---|---|
| DDV0050B.TTF | ddv0050b-Incidents-V2.avp | ddv0050b ERS-V2 Incidents.Style |

## INFRASTRUCTURES STAGE 1 ONLY



**FONTS**             **PALETTE**            **STYLE**
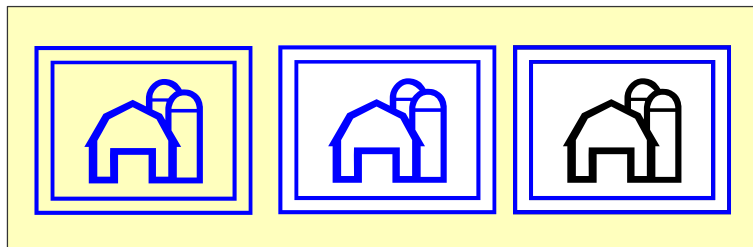                              **(ArcView 3.x)**      **(ArcGIS Desktop)**

DDV0051B.TTF    ddv0051a-Infrastructures-Stage-01-V2.avp
                                  ddv0051b ERS-V2 Infrastructures Stage 01.Style


## INFRASTRUCTURES STAGE 2 ONLY



**FONTS**             **PALETTE**            **STYLE**
                              **(ArcView 3.x)**      **(ArcGIS Desktop)**

DDV0052B.TTF    ddv0052b-Infrastructures-Stage-02-V2.avp
                                  ddv0052b ERS-V2 Infrastructures Stage 02.Style


## INFRASTRUCTURES STAGE 3 ONLY



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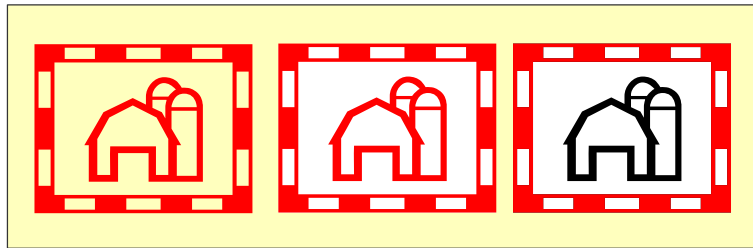
DDV0053A.TTF    ddv0053a-Infrastructures-Stage-03-V2.avp
                                  ddv0053a Infrastructures Stage 03.Style

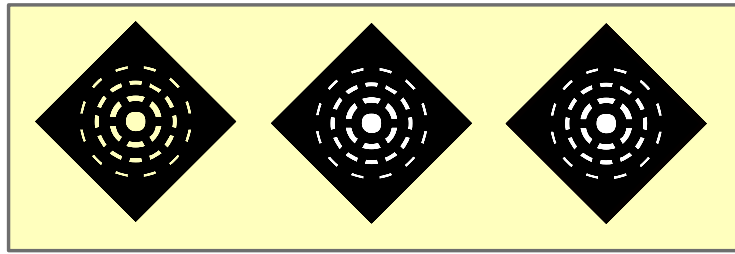## INFRASTRUCTURES STAGE 4 ONLY



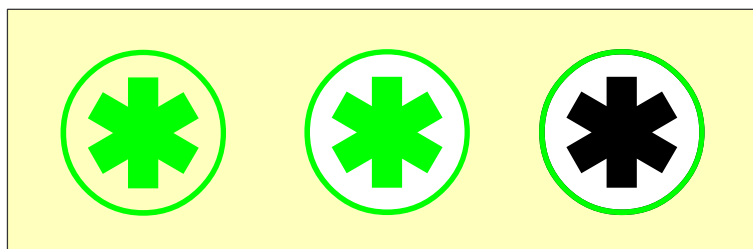| FONTS | PALETTE (ArcView 3.x) | STYLE (ArcGIS Desktop) |
|---|---|---|
| DDV0054B.TTF | ddv0054b-Infrastructures-Stage-04-V2.avp | ddv0054b ERS-V2 Infrastructures Stage 04.Style |

## NATURAL EVENTS ONLY



| FONTS | PALETTE (ArcView 3.x) | STYLE (ArcGIS Desktop) |
|---|---|---|
| DDV0055B.TTF | ddv0055b-Natural-Events-V2.avp | ddv0055b ERS-V2 Natural Events.Style |

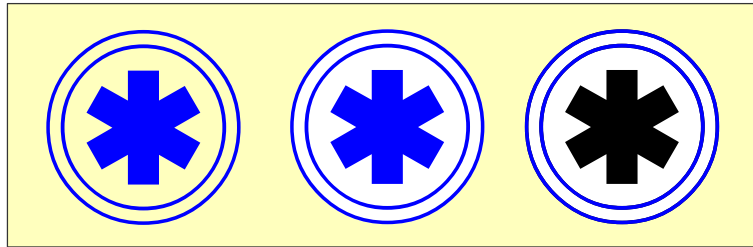## OPERATIONS STAGE 1 ONLY



| FONTS | PALETTE (ArcView 3.x) | STYLE (ArcGIS Desktop) |
|---|---|---|
| DDV0056B.TTF | ddv0056b-Operations-Stage-01-V2.avp | ddv0056b ERS-V2 Operations Stage 01.Style |

## OPERATIONS STAGE 2 ONLY



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

## OPERATIONS STAGE 3 ONLY



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

## OPERATIONS STAGE 4 ONLY
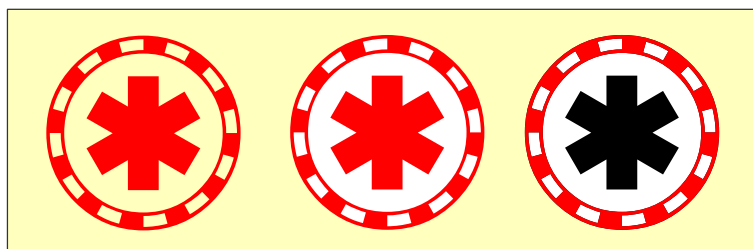


| **FONTS** | **PALETTE** **(ArcView 3.x)** | **STYLE** **(ArcGIS Desktop)** |
|---|---|---|
| DDV0059B.TTF | ddv0059b-Operations-Stage-04-V2.avp | ddv0059b ERS-V2 Operations Stage 04.Style |

The following design variations were created by DDV to help the symbols standout 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.
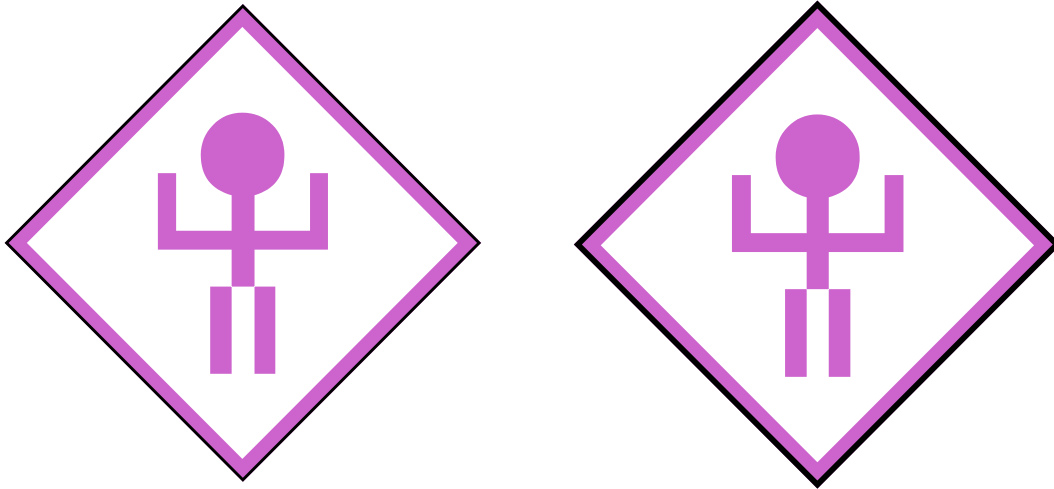
Also, the HSWG Version 2 of the Natural Event symbols changes these symbols to white on black.  The black surrounds exist for these symbols too.  For ArcGIS, this surround's color may be changed to help it stand out against a busy map background.

Black Border                          White Border                          Yellow Border
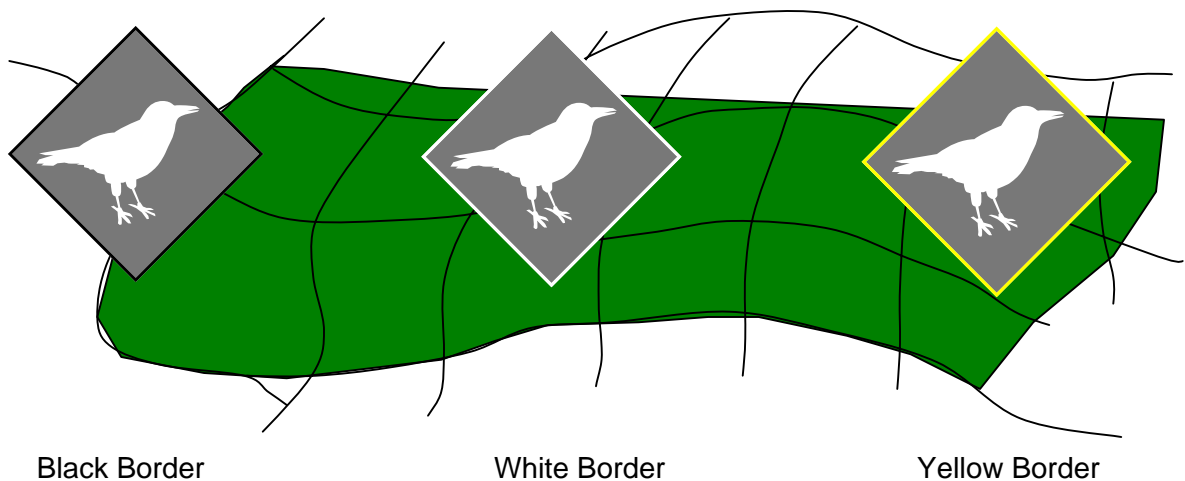
The two alternative symbol sets each contain the full range of symbols included and are illustrated below.  The files required for these Alternatives are listed on the following page.

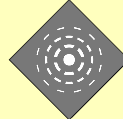**DDV0060A ERS ALTERNATIVE-1**

| Incidents | Infrastructures | Natural Events | Operations |
|---|---|---|---|

Infrastructures: Level 1, Level 2, Level 3, Level 4

Operations: Level 1, Level 2, Level 3, Level 4

**DDV0069A ERS ALTERNATIVE-2**

| Incidents | Infrastructures | Natural Events | Operations |
|---|---|---|---|

Infrastructures: Level 1, Level 2, Level 3, Level 4
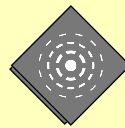
Operations: Level 1, Level 2, Level 3, Level 4

**DDV ERS Alternative-1**

| FONTS | PALETTE<br>(ArcView 3.x) | STYLE<br>(ArcGIS Desktop) |
|---|---|---|
| DDV0060B.TTF<br>DDV0061B.TTF<br>DDV0062B.TTF<br>DDV0063B.TTF | ddv0060b-ERS-V2-Alternative-1.avp | ddv0060b ERS-V2 Alternative-1.Style |

**DDV ERS Alternative-2**

| FONTS | PALETTE<br>(ArcView 3.x) | STYLE<br>(ArcGIS Desktop) |
|---|---|---|
| DDV0069B.TTF<br>DDV0070B.TTF<br>DDV0071B.TTF<br>DDV0072B.TTF | ddv0069b-ERS-V2-Alternative-2.avp | ddv0069b ERS-V2 Alternative-2.Style |

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

4

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

# ddv0069b ERS-V2 Alternative-2 Marker Style Dump

| | | |
|---|---|---|
| S1 Storage Tower | S2 Firearm Retailers | S2 Postal Service Infrastructure |
| S1 Surface Water Intake | S2 Hazardous Material Production | S2 Postal Distribution Center |
| S1 Water Treatment Facility | S2 Hazardous Material Storage | S2 Post Office |
| S2 Agriculture and Food | S2 Industrial Site | S2 Public Venues Infrastructure |
| S2 Agricultural Laboratories | S2 Landfill | S2 Enclosed Facility |
| S2 Animal Feedlots | S2 Pharmaceutical Manufacturer | S2 Open Facility |
| S2 Commercial Food Distribution Center | S2 Superfund Sites NPL | S2 Recreational Facility |
| S2 Farms Ranches | S2 Toxic Release Inventory | S2 Religious Institution |
| S2 Food Production Center | S2 Educational Facilities Infrastructure | S2 Special Needs Infrastructure |
| S2 Food Retail | S2 College University | S2 Adult Day Care |
| S2 Grain Storage | S2 Schools | S2 Child Day Care |
| S2 Banking Finance and Insurance | S2 Energy Facilities Infrastructure | S2 Elder Care |
| S2 ATMs | S2 Generation Stations | S2 Telecommunications Infrastructure |
| S2 Banks | S2 Natural Gas Facilities | S2 Telecommunications Facility |
| S2 Bullion Storage | S2 Nuclear Facilities | S2 Telecommunications Tower |
| S2 Federal Reserve Banks | S2 Petroleum Facilities | S2 Transportation Infrastructure |
| S2 Financial Exchanges | S2 Propane Facilities | S2 Air Traffic Control Facility |
| S2 Financial Services - Other | S2 Government Site Infrastructure | S2 Airport |
| S2 Commercial | S2 Military Infrastructure | S2 Bridge |
| S2 Chemical Plant | S2 Military Armory | S2 Bus Station |
| S2 Firearm Manufacturers | S2 Military Base | S2 Ferry Terminal |

# ddv0069b ERS-V2 Alternative-2 Marker Style Dump

| | | |
|---|---|---|
| S2 Helicopter Landing Site | S3 Agriculture and Food | S3 Industrial Site |
| S2 Lock | S3 Agricultural Laboratories | S3 Landfill |
| S2 Maintenance Facility | S3 Animal Feedlots | S3 Pharmaceutical Manufacturer |
| S2 Port | S3 Commercial Food Distribution Center | S3 Superfund Sites NPL |
| S2 Rail Station | S3 Farms Ranches | S3 Toxic Release Inventory |
| S2 Rest Stop | S3 Food Production Center | S3 Educational Facilities Infrastructure |
| S2 Ship Anchorage | S3 Food Retail | S3 College University |
| S2 Toll Facility | S3 Grain Storage | S3 Schools |
| S2 Traffic Control Point | S3 Banking Finance and Insurance | S3 Energy Facilities Infrastructure |
| S2 Traffic Inspection Facility | S3 ATMs | S3 Generation Stations |
| S2 Tunnel | S3 Banks | S3 Natural Gas Facilities |
| S2 Water Supply Infrastructure | S3 Bullion Storage | S3 Nuclear Facilities |
| S2 Critical Valves | S3 Federal Reserve Banks | S3 Petroleum Facilities |
| S2 Dam | S3 Financial Exchanges | S3 Propane Facilities |
| S2 Discharge Outfall | S3 Financial Services - Other | S3 Government Site Infrastructure |
| S2 Ground Well | S3 Commercial | S3 Military Infrastructure |
| S2 Pumping Station | S3 Chemical Plant | S3 Military Armory |
| S2 Reservoir | S3 Firearm Manufacturers | S3 Military Base |
| S2 Storage Tower | S3 Firearm Retailers | S3 Postal Service Infrastructure |
| S2 Surface Water Intake | S3 Hazardous Material Production | S3 Postal Distribution Center |
| S2 Water Treatment Facility | S3 Hazardous Material Storage | S3 Post Office |

# ddv0069b ERS-V2 Alternative-2 Marker Style Dump

| | | |
|---|---|---|
| S3 Public Venues Infrastructure | S3 Port | S4 Commercial Food Distribution Center |
| S3 Enclosed Facility | S3 Rail Station | S4 Farms Ranches |
| S3 Open Facility | S3 Rest Stop | S4 Food Production Center |
| S3 Recreational Facility | S3 Ship Anchorage | S4 Food Retail |
| S3 Religious Institution | S3 Toll Facility | S4 Grain Storage |
| S3 Special Needs Infrastructure | S3 Traffic Control Point | S4 Banking Finance and Insurance |
| S3 Adult Day Care | S3 Traffic Inspection Facility | S4 ATMs |
| S3 Child Day Care | S3 Tunnel | S4 Banks |
| S3 Elder Care | S3 Water Supply Infrastructure | S4 Bullion Storage |
| S3 Telecommunications Infrastructure | S3 Critical Valves | S4 Federal Reserve Banks |
| S3 Telecommunications Facility | S3 Dam | S4 Financial Exchanges |
| S3 Telecommunications Tower | S3 Discharge Outfall | S4 Financial Services - Other |
| S3 Transportation Infrastructure | S3 Ground Well | S4 Commercial |
| S3 Air Traffic Control Facility | S3 Pumping Station | S4 Chemical Plant |
| S3 Airport | S3 Reservoir | S4 Firearm Manufacturers |
| S3 Bridge | S3 Storage Tower | S4 Firearm Retailers |
| S3 Bus Station | S3 Surface Water Intake | S4 Hazardous Material Production |
| S3 Ferry Terminal | S3 Water Treatment Facility | S4 Hazardous Material Storage |
| S3 Helicopter Landing Site | S4 Agriculture and Food | S4 Industrial Site |
| S3 Lock | S4 Agricultural Laboratories | S4 Landfill |
| S3 Maintenance Facility | S4 Animal Feedlots | S4 Pharmaceutical Manufacturer |

# ddv0069b ERS-V2 Alternative-2 Marker Style Dump

| | | |
|---|---|---|
| S4 Superfund Sites NPL | S4 Recreational Facility | S4 Ship Anchorage |
| S4 Toxic Release Inventory | S4 Religious Institution | S4 Toll Facility |
| S4 Educational Facilities Infrastructure | S4 Special Needs Infrastructure | S4 Traffic Control Point |
| S4 College University | S4 Adult Day Care | S4 Traffic Inspection Facility |
| S4 Schools | S4 Child Day Care | S4 Tunnel |
| S4 Energy Facilities Infrastructure | S4 Elder Care | S4 Water Supply Infrastructure |
| S4 Generation Stations | S4 Telecommunications Infrastructure | S4 Critical Valves |
| S4 Natural Gas Facilities | S4 Telecommunications Facility | S4 Dam |
| S4 Nuclear Facilities | S4 Telecommunications Tower | S4 Discharge Outfall |
| S4 Petroleum Facilities | S4 Transportation Infrastructure | S4 Ground Well |
| S4 Propane Facilities | S4 Air Traffic Control Facility | S4 Pumping Station |
| S4 Government Site Infrastructure | S4 Airport | S4 Reservoir |
| S4 Military Infrastructure | S4 Bridge | S4 Storage Tower |
| S4 Military Armory | S4 Bus Station | S4 Surface Water Intake |
| S4 Military Base | S4 Ferry Terminal | S4 Water Treatment Facility |
| S4 Postal Service Infrastructure | S4 Helicopter Landing Site | Geologic - After Shock |
| S4 Postal Distribution Center | S4 Lock | Geoligic - Avalance |
| S4 Post Office | S4 Maintenance Facility | Geologic - Earth Quake Epicenter |
| S4 Public Venues Infrastructure | S4 Port | Geologic - Landslide |
| S4 Enclosed Facility | S4 Rail Station | Geologic - Subsidence |
| S4 Open Facility | S4 Rest Stop | Geologic - Volcanic Eruption |

## ddv0069b ERS-V2 Alternative-2 Marker Style Dump

| | | |
|---|---|---|
| Geologic - Volcanic Threat | S1 Ambulance | S1 Other Water Supply Location |
| Hydro-Meteorological - Drizzle | S1 Medical Evacuation Helicopter Station | S1 Fire Station |
| Hydro-Meteorological - Drought | S1 Health Department Facility | S1 Law Enforcement Operation |
| Hydro-Meteorological - Flood | S1 Hospital | S1 ATF |
| Hydro-Meteorological - Fog | S1 Hospital Ship | S1 Border Patrol |
| Hydro-Meteorological - Hail | S1 Medical Facilities Out Patient | S1 Customs Service |
| Hydro-Meteorological - Inversion | S1 Morgue | S1 DEA |
| Hydro-Meteorological - Rain | S1 Pharmacies | S1 DOJ |
| Hydro-Meteorological - Sand Dust Storm | S1 Triage | S1 FBI |
| Hydro-Meteorological - Snow | S1 Emergency Operation | S1 Police |
| Hydro-Meteorological - Thunder Strom | S1 Emergency Collection Evacuation Point | S1 Prison |
| Hydro-Meteorological - Tornado | S1 Emergency Incident Command Center | S1 Secret Service |
| Hydro-Meteorological - Tropical Cyclone | S1 Emergency Operations Center | S1 TSA |
| Hydro-Meteorological - Tsunami | S1 Emergency Public Information Center | S1 US Coast Guard |
| Bird Infestation | S1 Emergency Shelters | S1 US Marshalls Service |
| Insect Infestation | S1 Emergency Staging Areas | S1 Sensor Operation |
| Microbial Infestation | S1 Emergency Teams | S1 Biological Sensor |
| Reptile Infestation | S1 Emergency Water Distribution Center | S1 Chemical Sensor |
| Rodent Infestation | S1 Emergency Food Distribution Centers | S1 Intrusion Sensor |
| S1 Emergency Medical Operation | S1 Fire Suppresion Operation | S1 Nuclear Sensor |
| S1 EMT Station Locations | S1 Fire Hydrant | S1 Radiological Sensor |

# ddv0069b ERS-V2 Alternative-2 Marker Style Dump

S2 Emergency Medical Operation

S2 EMT Station Locations

S2 Ambulance

S2 Medical Evacuation Helicopter Station

S2 Health Department Facility

S2 Hospital

S2 Hospital Ship

S2 Medical Facilities Out Patient

S2 Morgue

S2 Pharmacies

S2 Triage

S2 Emergency Operation

S2 Emergency Collection Evacuation Point

S2 Emergency Incident Command Center

S2 Emergency Operations Center

S2 Emergency Public Information Center

S2 Emergency Shelters

S2 Emergency Staging Areas

S2 Emergency Teams

S2 Emergency Water Distribution Center

S2 Emergency Food Distribution Centers

S2 Fire Suppresion Operation

S2 Fire Hydrant

S2 Other Water Supply Location

S2 Fire Station

S2 Law Enforcement Operation

S2 ATF

S2 Border Patrol

S2 Customs Service

S2 DEA

S2 DOJ

S2 FBI

S2 Police

S2 Prison

S2 Secret Service

S2 TSA

S2 US Coast Guard

S2 US Marshalls Service

S2 Sensor Operation

S2 Biological Sensor

S2 Chemical Sensor

S2 Intrusion Sensor

S2 Nuclear Sensor

S2 Radiological Sensor

S3 Emergency Medical Operation

S3 EMT Station Locations

S3 Ambulance

S3 Medical Evacuation Helicopter Station

S3 Health Department Facility

S3 Hospital

S3 Hospital Ship

S3 Medical Facilities Out Patient

S3 Morgue

S3 Pharmacies

S3 Triage

S3 Emergency Operation

S3 Emergency Collection Evacuation Point

S3 Emergency Incident Command Center

S3 Emergency Operations Center

S3 Emergency Public Information Center

S3 Emergency Shelters

S3 Emergency Staging Areas

S3 Emergency Teams

# ddv0069b ERS-V2 Alternative-2 Marker Style Dump

S3 Emergency Water Distribution Center

S3 Emergency Food Distribution Centers

S3 Fire Suppresion Operation

S3 Fire Hydrant

S3 Other Water Supply Location

S3 Fire Station

S3 Law Enforcement Operation

S3 ATF

S3 Border Patrol

S3 Customs Service

S3 DEA

S3 DOJ

S3 FBI

S3 Police

S3 Prison

S3 Secret Service

S3 TSA

S3 US Coast Guard

S3 US Marshalls Service

S3 Sensor Operation

S3 Biological Sensor

S3 Chemical Sensor

S3 Intrusion Sensor

S3 Nuclear Sensor

S3 Radiological Sensor

S4 Emergency Medical Operation

S4 EMT Station Locations

S4 Ambulance

S4 Medical Evacuation Helicopter Station

S4 Health Department Facility

S4 Hospital

S4 Hospital Ship

S4 Medical Facilities Out Patient

S4 Morgue

S4 Pharmacies

S4 Triage

S4 Emergency Operation

S4 Emergency Collection Evacuation Point

S4 Emergency Incident Command Center

S4 Emergency Operations Center

S4 Emergency Public Information Center

S4 Emergency Shelters

S4 Emergency Staging Areas

S4 Emergency Teams

S4 Emergency Water Distribution Center

S4 Emergency Food Distribution Centers

S4 Fire Suppresion Operation

S4 Fire Hydrant

S4 Other Water Supply Location

S4 Fire Station

S4 Law Enforcement Operation

S4 ATF

S4 Border Patrol

S4 Customs Service

S4 DEA

S4 DOJ

S4 FBI

S4 Police

S4 Prison

S4 Secret Service

S4 TSA

S4 US Coast Guard

S4 US Marshalls Service

S4 Sensor Operation

S4 Biological Sensor

S4 Chemical Sensor

S4 Intrusion Sensor

S4 Nuclear Sensor

S4 Radiological Sensor

=========================================================================

## 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 DDVxxxx.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 DDVxxxx.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.**

**UNIX PLATFORM** ==============================================================


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 IIa 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 ddvhaz1b
   NAME   = ddvhaz1b
   FAMILY = ddvhaz1b
   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.

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## ArcGIS Desktop INSTALLATION INSTRUCTIONS

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 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.**

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# Troubleshooting:

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**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**
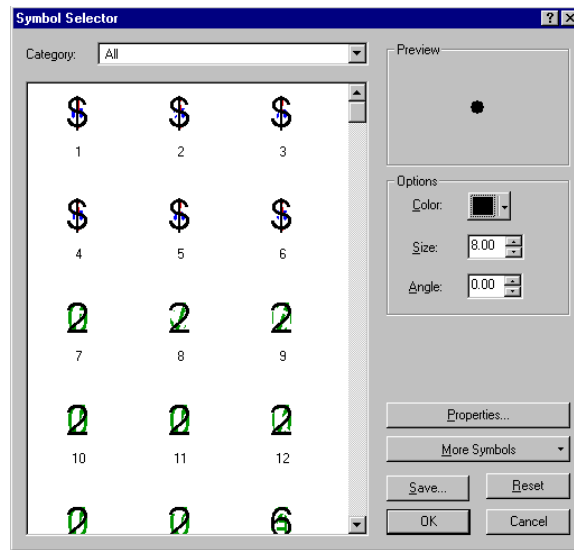


ArcGIS Desktop Style Manager

**First Line of Troubleshooting:** Make sure that ArcGIS Desjtop 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.