

# **Creating Incident Bypass Signs in MicroStation**

20A-3

Traffic and Safety Manual Chapter 20 Instructions Originally Issued: 05-01-18 Revised: 07-01-18

## Place Blank Incident Bypass Sign

To create an Incident Bypass Sign, it is necessary to first place a blank Incident Bypass Sign.

### In the trfeng-INCIDENT\_BYPASS\_SIGNING cell library

(pw:\\projectwise.dot.int.lan:PWMain\Documents\Standards\TrafficAndSafety\Microstation\Cells\trfeng-INCIDENT\_BYPASS\_SIGNING.cel), select the \_Blank INCIDT. Sign\_ cell and place it where you need it. This blank sign is where the separate Cardinal Direction, Route shield, and Directional Arrow components of the Incident Bypass Sign will be placed. These components can be placed in any order.

Cell Library: [\trfeng-INCIDENT_B	(PASS_SIGNING.cel]			×
File				
Use Shared Cells     Display	All Cells In Path			Display: Wireframe
New	Description	туре да		E T
Blank INCIDT. Sign_	Blank INCIDT, Sign	Grph	Lbry	
Cardinal_cost	Cardinal East	0.1	LUIY	TO 2
Cardinal_North	Cardinal_North	Grph	Lbry	
Cardinal_South	Cardinal_South	Grph	Lbry	
Cardinal_West	Cardinal_West	Grph	Lbry	
Interstate 129	Interstate 129	Grph	Lbry	1000
Interstate 235	Interstate 235	Grph	Lbry	Chevron C
Interstate 280	Interstate 280	Grph	Lbry	<ul> <li>Fordina C. 17 Fordina C. 107 In The Control State of Science, In Collimbia C. 201 (201 (201 (201 (201 (201 (201 (201</li></ul>
Interstate 29	Interstate 29	Grph	Lbry	Call Franker Coll Franker (1975) 1970
Interstate 35	Interstate 35	Grph	Lbry	
Interstate 380	Interstate 380	Grph	Lbry	
Interstate 480	Interstate 480	Grph	Lbry	
Interstate 680	Interstate 680	Grph	Lbry	
Interstate 74	Interstate 74	Grph	Lbry	
Interstate 80	Interstate 80	Grph	Lbry	
Interstate 80N	Interstate 80N	Grph	Lbry	
lowa Highway 1	lowa Highway 1	Grph	Lbry	
lowa Highway 10	lowa Highway 10	Grph	Lbry	
Iowa Highway 100	Iowa Highway 100	Grph	Lbry	
lowa Highway 102	Iowa Highway 102	Grph	Lbry	
Iowa Highway 110	Iowa Highway 110	Grph	Lbry	
Iowa Highway 116	Iowa Highway 116	Grph	Lbry	
Iowa Highway 117	Iowa Highway 117	Grph	Lbry	
Iowa Highway 12	Iowa Highway 12	Grph	Lbry	
Iowa Highway 122	Iowa Highway 122	Grph	Lbry	
lowa Highway 127	Iowa Highway 127	Grph	Lbry	
lowa Highway 128	Iowa Highway 128	Grph	Lbry	
Iowa Highway 13	Iowa Highway 13	Grph	Lbry	
Iowa Highway 130	Iowa Highway 130	Grph	Lbry	
Iowa Highway 136	Iowa Highway 136	Grph	Lbry	
Iowa Highway 137	Iowa Highway 137	Grph	Lbry	
Iowa Highway 139	lowa Highway 139	Grph	Lbry	
Iowa Highway 14	Iowa Highway 14	Grph	Lbry	
Iowa Highway 140	lowa Highway 140	Grph	Lbry	
lowa Highway 141 Iowa Highway 143	lowa Highway 141 Iowa Highway 143	Grph	Lbry Lbry	
Active Cells		2.4	17 E	
Placement Blank INCIDT, Sign	Point Elem	ent		Edit Delete
Ieminator NONE	Pattern NON	E		Create Share

## **Place Cardinal direction**

#### In the trfeng-INCIDENT\_BYPASS\_SIGNING cell library

(pw:\\projectwise.dot.int.lan:PWMain\Documents\Standards\TrafficAndSafety\Microstation\Cells\trfeng-INCIDENT\_BYPASS\_SIGNING.cel), select the North cell (or another cardinal direction cell as needed) and place in the top empty space on the \_Blank INCIDT. Sign\_ cell. Place by clicking the top left corner of the empty space. The size of the cardinal direction cell should match up exactly with the empty space.

Use Shared Cells	Display Al Cells In Path			Display: Wireframe	۳
Name ^	Description	Туре	( Where	A	
Blank INCIDT Size		Cash	Lbry		
LON CON	Cardinal East	Grph		1000 2200	
ardinal_North	Cardinal North	Grph	Lbry	6 mil	
1 Couth	Cardinal South	Grph	11		
Cardinal_West		Sipri	Lbry	=	
nterstate 129	Interstate 129	Grph	Lbry		
ntenstate 235	Interstate 235	Grph	Lbry		
nterstate 280	Interstate 280	Grph	Lbry		
nterstate 29	Interstate 29	Grph	Lbry	and a second sec	
terstate 35	Interstate 35	Grph	Lbry		_
tentate 380	Interstate 380	Grph	Lbry		
nterstate 480	Interstate 480	Grph	Lbry		
tentate 680	Interstate 680	Grph	Lbry		
terstate 74	Interstate 74	Grph	Lbry		
tentate 80	Interstate 80	Grph	Lbry		
ntenstate 80N	Interstate 80N	Grph	Lbry		
owa Highway 1	Iowa Highway 1	Grph	Lbry		
owa Highway 10	Iowa Highway 10	Grph	Lbry		
owa Highway 100	Iowa Highway 100	Grph	Lbry		
owa Highway 102	Iowa Highway 102	Grph	Lbry		
owa Highway 110	Iowa Highway 110	Giph	Lbry		
owa Highway 116	Iowa Highway 116	Grph	Lbry		
owa Highway 117	Iowa Highway 117	Grph	Lbry		
owa Highway 12	Iowa Highway 12	Grph	Lbry		
owa Highway 122	Iowa Highway 122	Grph	Lbry		
owa Highway 127	Iowa Highway 127	Grph	Lbry		
owa Highway 128	Iowa Highway 128	Grph	Lbry		
owa Highway 13	Iowa Highway 13	Grph	Lbry		
owa Highway 130	Iowa Highway 130	Grph	Lbry		
owa Highway 136	Iowa Highway 136	Grph	Lbry		
owa Highway 137	Iowa Highway 137	Grph	Lbry		
owa Highway 139	Iowa Highway 139	Grph	Lbry		
owa Highway 14	Iowa Highway 14	Grph	Lbry		
owa Highway 140	Iowa Highway 140	Grph	Lbry		
owa Highway 141	Iowa Highway 141	Grph	Lbry		
owa Highway 143	Iowa Highway 143	Grph	Lbry	*	
Active Cells					
Placement Cardinal_North	Pgint E	Bement		Edt Delete	



## Place Route Shield

In the trfeng-INCIDENT\_BYPASS\_SIGNING cell library

(pw:\\projectwise.dot.int.lan:PWMain\Documents\Standards\TrafficAndSafety\Microstation\Cells\trfeng-INCIDENT\_BYPASS\_SIGNING.cel), select the Interstate 35 cell (or another Route Shield cell as needed) and place in the middle empty space on the \_Blank INCIDT. Sign\_ cell. Place by clicking the top left corner of the empty space. The size of the route shield cell should match up exactly with the empty space.





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## **Place Directional Arrow**

In the trfeng-INCIDENT\_BYPASS\_SIGNING cell library

(pw:\\projectwise.dot.int.lan:PWMain\Documents\Standards\TrafficAndSafety\Microstation\Cells\trfeng-INCIDENT\_BYPASS\_SIGNING.cel), select the Diagonal Left Arrow cell (or another directional arrow cell as needed) and place in the bottom empty space on the \_Blank INCIDT. Sign\_ cell. Place by clicking the top left corner of the empty space. The size of the directional arrow cell should match up exactly with the empty space.

Cell Library: [\trfeng-INCIDENT_E					
Ele					
🔄 Use Shared Cells 📃 Display	/ All Cells In Path				Display: Wireframe
Name ^	Description	Туре	Where	^	
lowa Highway 906	lowa Highway 906	Grph	Lbry		
lowa Highway 92	Iowa Highway 92	Grph	Lbry		
Iowa Highway 922	Iowa Highway 922	Grph	Lbry		Ex
lowa Highway 93	Iowa Highway 93	Grph	Lbry		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
Iowa Highway 930	Iowa Highway 930	Grph	Lbry		E.3
lowa Highway 946	Iowa Highway 946	Grph	Lbry		
lowa Highway 96	Iowa Highway 96	Grph	Lbry		
Iowa Highway 965	Iowa Highway 965	Grph	Lbry		
Left Arrow	Left Arrow	Grph	Lbry		A
Left Arrow-45 Decree	to be a second to be second	Grph	Lbry		
Landow-30 Degree	Left Arrow-90 Degree	Coppo-	Lbry		
Left Arrow-Diagonal	Left Arrow-Diagonal	Grph	Le		
Dickt Arrow	Right Arrow	Gmb	sury		
Right Arrow-so begins		Giph	Lbry		
Right Arrow-90 Degree	Right Arrow-90 Degree	Grph	Lbry		
Right Arrow-Diagonal	Right Arrow-Diagonal	Grph	Lbry		
Straight Arrow	Straight Arrow	Grph	Lbry		
US Highway 136	US Highway 136	Grph	Lbry		
US Highway 151	US Highway 151	Grph	Lbry		
US Highway 169	US Highway 169	Grph	Lbry		
US Highway 18	US Highway 18	Grph	Lbry		
US Highway 20	US Highway 20	Grph	Lbry		
US Highway 218	US Highway 218	Grph	Lbry		
US Highway 275	US Highway 275	Grph	Lbry		
US Highway 30	US Highway 30	Grph	Lbry		
US Highway 34	US Highway 34	Grph	Lbry		
US Highway 52	US Highway 52	Grph	Lbry		
US Highway 59	US Highway 59	Grph	Lbry		
US Highway 61	US Highway 61	Grph	Lbry		
US Highway 63	US Highway 63	Grph	Lbry		
US Highway 65	US Highway 65	Grph	Lbry	=	
US Highway 67	US Highway 67	Grph	Lbry		
US Highway 69	US Highway 69	Grph	Lbry		
US Highway 71	US Highway 71	Giph	Lbry		
US Highway 75	US Highway 75	Grph	Lbry		
US Highway 77	US Highway 77	Grph	Lbry	٣	
Active Cells					
Placement Left Arrow-Diagonal	Pgint Be	ment			Edt Delete
Ieminator NONE	Pattern NC	NE			Greate Share
				_	



## Sign Details

In each of the components of the Incident Bypass Sign and the blank Incident Bypass Sign, there are levels dedicated to sign details.



When these components are placed into the blank Incident Bypass sign, these Sign details of the components should line up with the sign details of the blank Incident Bypass Sign. This is so that when the sign is completed, all details of the sign will be shown.





## **Incident Bypass Component Details**

For each Incident Bypass Component, there are sign details specifically for that component. These sign details are located on level trf\_sign\_Details\_Dimensions\_2 and are mainly used for when sheeting. This level should be turned off when presenting the entire Incident Bypass Sign with all the components attached.



